



**GROUNDWATER WELL INSTALLATION AND
CONFIRMATION SOIL BORING REPORT
8411 SOUTH ATLANTIC AVENUE
CUDAHY, CALIFORNIA
SCP NO. 1148, SITE ID NO. 2040226**

PREPARED FOR:

Regional Water Quality Control Board,
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

PREPARED BY:

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona, California 92882

July 15, 2010
Project No. 100011003



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Mr. Don Indermill
Regional Water Quality Control Board,
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Groundwater Well Installation and
Confirmation Soil Boring Report,
8411 South Atlantic Avenue
Cudahy, California
SCP No. 1148, Site ID No. 2040226

Dear Mr. Indermill:

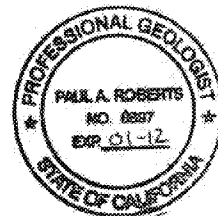
Ardent Environmental Group, Inc. (Ardent) has completed the groundwater well installation and confirmation soil borings at the property located at 8411 South Atlantic Avenue in the city of Cudahy, California (site). Work was conducted in general accordance with the work plan prepared by Ninyo & Moore dated August 16, 2006 and the Regional Water Quality Control Board, Los Angeles Region (RWQCB) approval letter dated January 29, 2010. The purpose of this work was to further evaluate the lateral extent of volatile organic compounds (VOCs) in groundwater, direction of groundwater flow, and to assess the efficiency of a vapor extraction system (VES) that previously operated at the site. The attached report presents our methodology, findings, opinions, and conclusions regarding the environmental conditions at the site. If there are any questions, please feel free to call the undersigned at your convenience.

Sincerely,
Ardent Environmental Group, Inc.


Connie Lizarraga
Staff Environmental Scientist



Paul A. Roberts, P.G., R.E.A. I/II
Principal Geologist



CCL/PAR/paw

Distribution: (1) Addressee (one hard and one e-copy)
(1) Mr. Mark S. Cousineau, Hazard Management Consulting, Inc. (e-copy)
(1) Mr. Paul Ohlmann, On Atlantic, LLC (e-copy)
(1) John J. Allen, Esq., Allen Matkins Leck Gamble Mallory & Natsis LLP (e-copy)

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EXECUTIVE SUMMARY

Ardent Environmental Group, Inc. (Ardent) was retained by On Atlantic, LLC to install three additional groundwater monitoring wells and complete confirmation soil borings at the property located at 8411 South Atlantic Avenue in the city of Cudahy, California (“site,” “subject property” or “On Atlantic property”). Work was conducted in general accordance with a work plan prepared by Ninyo & Moore dated August 16, 2006 (referred to herein as the “Ninyo & Moore work plan”) and the Regional Water Quality Control Board, Los Angeles Region (RWQCB) approval letter dated January 29, 2010.

Background

For approximately 13 years, General Inspection Laboratory (GIL) occupied the site as an inspection laboratory. Regulatory records have shown that GIL used chlorinated solvents, namely trichloroethene (TCE), in their operations. During this time, GIL installed and operated an underground clarifier at the site. In 1970, GIL vacated the site and redeveloped the property immediately south of the site (referred to herein as the “off-site GIL property”). In the early 2000s, On Atlantic, LLC was directed by the Los Angeles County Department of Public Works (LACDPW) to remove the on-site clarifier and in the process discovered TCE-impacted soil and groundwater. In the mid-2000s, GIL also discovered TCE impacted soil and groundwater at the off-site GIL property. The following presents a summary of the site historical land uses, soil and groundwater investigations and remediation efforts completed at the subject property and the off-site GIL property, and the results of the further investigations completed during this assessment.

- **On-Site Historical Land Use and Investigations** – The site has been used for commercial uses since at least 1929. The existing buildings were constructed in 1950. GIL operated an inspection laboratory at the site from at least 1957 through 1970. During this time, GIL used a clarifier as part of their operations. In 1970, GIL vacated the site and redeveloped the property immediately south of the site. GIL also used this off-site property as an inspection laboratory. In 2002, On Atlantic, LLC removed the clarifier and discovered TCE-impacted soil that extended to groundwater. The extent of impacted soil was assessed and three groundwater monitoring wells were installed; one of which was a multi-purpose well to be used for vapor extraction and groundwater monitoring. During nine quarterly events, groundwater was measured at depths of approximately 51 to 54 feet below the ground surface (bgs). Groundwater flow was calculated to be in a northeasterly direction.

- **Off-Site GIL Property Historical Land Use and Investigations** – Prior to construction of the existing GIL building in 1970, this property was used for residences and stores. In 2004, GIL discovered chlorinated solvents, namely TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and tetrachloroethylene (PCE)-impacted soil, soil gas, and groundwater beneath the off-site GIL property. Work was conducted under the direction and oversight of the Department of Toxic Substances Control (DTSC). Based on the results of a Human Health Risk Assessment (HHRA), no immediate health risk was identified through possible vapor intrusion. In 2005, two groundwater sampling events were completed which indicated the direction of groundwater flow to be in a southwesterly direction. Based on this information, GIL indicated that the source of the impacted groundwater was off-site (i.e., implying the On Atlantic property).
- **Groundwater Monitoring** – From 2004 through 2007, personnel from Ardent completed nine rounds of groundwater monitoring from three on-site wells. Based on previous soil and soil gas investigations, the former on-site clarifier was assessed to be a possible source of the groundwater contamination. One well was located adjacent to the former clarifier and the remaining wells were located crossgradient from the possible source. During these events, laboratory results showed elevated concentrations of TCE (ranging from approximately 2,000 to 3,000 micrograms per liter [ug/l]) in all three wells. Based on the groundwater flow direction and homogeneous groundwater contamination throughout the site, it was concluded that the source of the impacted groundwater was not only the former on-site clarifier, but possibly another off-site source.
- In accordance with the approved Ninyo & Moore work plan, Ardent installed three additional groundwater monitoring wells to further assess the lateral extent of VOC-impacted groundwater and to help assess the local groundwater flow direction in the vicinity of the site. Laboratory results of groundwater samples collected in June 2010 showed lower concentration of TCE in the on-site wells compared to earlier events (2004 through 2007). Comparing these results with samples collected from the GIL investigations completed in 2005/2006 (the latest reported event), it appears that both the site and the off-site GIL property may have had releases which affected groundwater. The lateral extent of impacted groundwater has not yet been defined.
- **On-Site Soil Remediation and Confirmation Soil Borings** – In 2005 and under the direction and oversight of the Regional Water Quality Control Board, Los Angeles Region (RWQCB), On Atlantic, LLC completed a vapor extraction study. The vapor extraction system (VES) operated until influent soil vapor results reached asymptotic conditions. In 2006, Ninyo & Moore prepared a work plan to complete confirmation soil borings. Following approval of the work plan in 2010, Ardent advanced three confirmation borings and collected soil samples. With the exception of soil samples collected within the capillary fringe (immediately above groundwater), laboratory results indicated relatively low concentrations of TCE. Although the concentrations slightly exceeded the general guidelines used by the RWQCB, remediation efforts reduced the concentrations up to 10 times the original detected amounts (i.e., reduced from thousands of micrograms per kilogram [ug/kg] to tens of ug/kg). Based on this information, remedial efforts have reduced the concentrations of TCE to levels

which would not be considered a significant threat to groundwater beneath the site. The concentrations remaining in the capillary fringe represent groundwater concentrations.

Conclusions

Based on current regulatory guidelines and our professional opinions, Ardent presents the following conclusions.

- VOCs, namely TCE, were released from the historical on-site clarifier during its use by GIL. These contaminants impacted soil and groundwater beneath the site.
- Since moving to the adjacent upgradient property, GIL has impacted this property with TCE, cis-1, 2-DCE, and PCE.
- After installing additional on- and off-site wells, Ardent reported groundwater beneath the site to flow in a northerly direction, similar to nine previous rounds of groundwater monitoring activities completed at the site. Groundwater continues to be impacted with TCE and cis-1,2-DCE. The source of the impacted groundwater appears to be due to the historical use of a clarifier at the site by GIL, the existing conditions discovered at the GIL property located immediately upgradient from the site, and possibly another off-site source. Currently, the on-site source has been eliminated (i.e., the clarifier has been removed), and the impacted soil has been remediated.
- Laboratory results of confirmation soil samples collected in the vicinity of the former clarifier have shown that operation of the vapor extraction system in 2005 was successful in remediating the TCE-impacted soil. Residual concentrations of TCE are still present in the capillary fringe possibly due to a wicking effect from impacted groundwater.

Recommendations

Based on the information obtained to-date, Ardent recommends the following:

- Ardent requests that the RWQCB issue a no further action (NFA) letter for soil at the site.
- Although the lateral extent of impacted groundwater has not yet been assessed, Ardent recommends simultaneously monitoring the existing on- and off-site groundwater monitoring wells in the site vicinity (including those on the off-site GIL property) on a quarterly-basis for one year. This would allow a comparison of data that are collected from the same time frame. To-date, a comparison could only be made of historical data collected in 2005/2006 by GIL with current data collected in 2010 by Ardent. Due to the number of possible sources in the site vicinity, it is recommended that these data be collected and evaluated prior to possibly installing additional off-site wells. Following directive from the RWQCB, Ardent can coordinate sampling activities with consultants from GIL.

1 INTRODUCTION

Ardent Environmental Group, Inc. (Ardent) was retained by On Atlantic, LLC to install additional groundwater monitoring wells and complete confirmation soil sampling at the property located at 8411 South Atlantic Avenue in the city of Cudahy, California (“site,” “subject property,” or “On Atlantic property;” Figure 1). Work was conducted in general accordance with a work plan prepared by Ninyo & Moore dated August 16, 2006 (referred to herein as the “Ninyo & Moore work plan”) and the Regional Water Quality Control Board, Los Angeles Region (RWQCB) approval letter dated January 29, 2010. Previous work at the site has shown elevated concentrations of selected volatile organic compounds (VOCs), namely trichloroethene (TCE), in soil and groundwater. The contaminants were assessed to be associated with a release from an on-site clarifier that was used by a former tenant, General Inspection Laboratory (GIL), as well as a possible off-site source. Since the discovery, On Atlantic, LLC has removed the clarifier, characterized the extent of impacted soil, sampled groundwater, and installed and operated a vapor extraction system (VES) as part of a pilot study/interim measures. After vacating the site in 1970, GIL purchased and occupied the property immediately south of the site (referred to herein as the “off-site GIL property”). In the mid-2000s, GIL completed investigations on the adjacent property under the direction and oversight of the Department of Toxic Substance Control (DTSC). Volatile organic compound-impacted soil and groundwater (namely TCE and tetrachloroethylene [PCE]) was also detected at the off-site GIL property.

2 PHYSICAL SETTING

The following sections include discussions of topographic, geologic, and hydrogeologic conditions in the vicinity of the site, based upon our document review and our previous visual reconnaissance of the site and adjacent areas.

2.1 Site Topography

Based on review of the United States Geological Survey (USGS) 7.5 Minute Series, South Gate, California, Topographic Quadrangle Map, dated 1964 and photorevised in 1981, the site has an approximate elevation of 115 feet above mean sea level (msl). Regionally, sur-

face topography slopes to the southeast towards the Los Angeles River, located approximately 0.5-mile east of the site.

2.2 Geology

The site is located within the Transverse Ranges Geomorphic Province. Locally, the site is situated within the Coastal Plain of the Los Angeles Basin. The Los Angeles Basin is bounded by the Santa Ana Mountains to the east, the Santa Monica Mountains and Puente Hills to the north, and the Pacific Ocean to the west and south. The site vicinity is underlain by recent alluvium deposits, the Upper-Pleistocene Lakewood Formation, and the Lower-Pleistocene San Pedro Formation. These formations are comprised of marine and continental sedimentary deposits. Soil lithology encountered during investigations at the site included interbedded fine and silty sand from surface to groundwater (ranging from 51 to 54 feet below the ground surface [bgs]).

2.3 Site Hydrology

The following sections discuss the site hydrology in terms of both surface waters and groundwater.

2.3.1 Surface Waters

No natural surface water bodies, including ponds, streams, or other bodies of water, are present on the site. The concrete-lined Los Angeles River is located approximately 0.5-mile east of the site. The Los Angeles River flows in a southerly direction.

2.3.2 Groundwater

The site lies within the Central Basin of the Coastal Plain (Department of Water Resources [DWR], 1988). Existing beneficial uses of the groundwater in this area, as designated by the RWQCB, are municipal and domestic supply, industrial service supply, and agricultural supply. Aquifers (water-bearing units) in the vicinity of the site include the semi-perched Gaspar Aquifer located within the Recent alluvial de-

posits, the Exposition and Gage Aquifers located within the Lakewood Formation, and the Hollydale, Jefferson, Lynwood, Silverado, and Sunnyside Aquifers occurring in the deeper San Pedro Formation (DWR, 1988).

During the groundwater investigations conducted at the site by personnel of Ardent, groundwater has been measured during sampling events from 2004 through 2010 at depths ranging from 51 to 54 feet bgs. This saturated zone is most likely the upper portion of the semi-perched Gaspar Aquifer. Local groundwater gradient has been historically calculated by Ardent personnel at approximately 0.01 foot per foot (ft/ft) in a northeasterly direction. This gradient and direction of flow was calculated using groundwater monitoring wells MW-1 through MW-3 (Figure 2) and was very consistent during the nine quarterly sampling events completed from 2005 through 2007. Quarterly monitoring was discontinued at the end of 2007. Following installation of the three additional groundwater wells MW-4 through MW-6 (Figure 2) and as described herein, groundwater flow continues to be calculated in a northerly direction, with slight variations to the northwest and northeast (Figure 3).

In 2006, and at the request of the RWQCB, Ninyo & Moore prepared a Well Receptor Survey for the site vicinity. The Well Receptor Survey located nearby municipal groundwater wells, their construction details, and depth to groundwater (Ninyo & Moore, 2006b). These wells are deep groundwater wells which supply water to the surrounding community. During this assessment, Ninyo & Moore discovered that a number of samples collected from close-by wells have discovered elevated concentrations of TCE and other chemicals (including hexavalent chromium and/or PCE). Due to these results, some of the wells have been inactivated or destroyed. One well (referred to as "Well L" in the Ninyo & Moore document) is still active, but has been equipped with a water treatment system. According to the water company representatives that were interviewed, the detectable contaminants are likely associated with the surrounding industrial land uses.

3 BACKGROUND

The following presents a summary of the on-site historical land uses, investigations completed at the adjacent GIL property, and investigations and remediation completed at the subject property. Following the discovery of VOCs, namely TCE, at the site, On Atlantic, LLC retained personnel of Ardent to evaluate the on- and off-site historical land uses to assess possible sources of these chemicals.

3.1 On-Site Historical Land Use

At the request of On Atlantic, LLC, Ardent personnel researched the historical land uses of the site and immediate site vicinity by reviewing ascertainable information including historical aerial photographs, historical fire insurance maps, historical city directories, topographical maps, previous environmental reports, and regulatory files. The site has been used for commercial purposes since at least 1929. In 1930, the southeastern portion of the site was used as an automobile repair shop. From at least 1933 through 1950, the site and the property west of the site were used as a metal fabrication shop, which included cutting and storing pipe and scrap metal. In 1955, the existing buildings were constructed (referred to herein as “Building 1” and “Building 2” on Figure 5). From 1957 through 1970, GIL used a portion of the site to operate an inspection laboratory. Regulatory files indicated that GIL used chlorinated solvents in their operations. From the late-1950s through 1995, other tenants occupying the site included paper box manufacturing facilities, plastic businesses (Phoenix Plastics), a boat shop (Eliminator Boats), hardware facility, and pharmaceutical distribution. Since our involvement with the site (2002), the site has been used by a mattress distribution company, an automobile parts distribution business, and a used tire company (warehouse and distribution).

As discussed in Section 3.4, a clarifier used by GIL during their site occupancy was removed from the subject property in 2002 and subsequent investigations indicated elevated concentrations of TCE in soil and groundwater. There is a high likelihood that the former clarifier is the on-site source of TCE in soil and groundwater. However, based on groundwater data, an off-site source is highly likely as well.

3.2 Historical Land Use of the Surrounding Vicinity

The site vicinity has been used for small commercial and residential uses, or as vacant land from at least 1928 through 1938. In the 1940s and 1950s, an increase in larger commercial and industrial facilities took place on the surrounding properties.

Ardent has identified a number of properties in the site vicinity which may have used or have reportedly used chlorinated solvents. The closest of which is GIL, located immediately south of the site.

After vacating the site in 1970, GIL redeveloped the property immediately south of the site (which was formerly occupied by residences and stores) with the existing commercial building. GIL has used this property to continue their inspection laboratory business, although the current GIL business emerged out of bankruptcy proceedings. In 2004 and as discussed below, GIL completed a number of environmental investigations at the off-site GIL property. These investigations discovered VOC-impacted soil and groundwater beneath the off-site GIL property (see Section 3.3).

In addition and as discussed above, a number of municipal wells in the site vicinity have discovered TCE and other chemicals in groundwater. Most of these wells have been inactivated or equipped with well-head treatment systems; it appears that a regional groundwater issues is present.

3.3 Investigations Completed at General Inspection Laboratory

On Atlantic, LLC recently retained Ardent to complete a regulatory file review of the GIL property. This assessment included requesting file reviews from the RWQCB, the Department of Toxic Substances Control (DTSC) Cypress office, and the DTSC Chatsworth office. In addition, Ardent reviewed available information on the State Water Resources Control Board (SWRCB) GeoTracker website and interviewed regulatory case handlers. According to GeoTracker, the GIL property is an open case with the Site Cleanup Program Unit (formerly Spills, Leaks, Investigations and Cleanups [SLIC] 1). Very limited information was

provided on the GeoTracker website or at the DTSC Chatsworth office. The following presents our conclusions of the reviews.

- Phase I ESAs have been completed at the GIL property and have identified solid waste management units (SWMUs) and areas of concern (AOC) as defined by the DTSC Permit By Rule regulations. Soil, soil gas, and groundwater investigations have been completed to further assess these potential sources of contaminants. Based on the results, elevated concentrations of VOCs, namely TCE (up to 153 micrograms per kilogram [ug/kg]) and PCE, have been detected in sporadic soil samples collected within the vadose zone. TCE was reported at up to 214 ug/kg in the capillary fringe. Although elevated concentrations of TCE have also been detected in groundwater beneath the GIL property, the concentrations in groundwater were magnitudes higher than those reported in soil. No detectable concentrations of PCE were reported in the groundwater samples. In addition, a Human Health Risk Assessment (HHRA) has indicated that the remaining VOC concentrations in soil gas and groundwater would not pose a human health threat to occupants of the property.
- Groundwater flow has been reported on the GIL property to be in a southwesterly direction, while groundwater flow at the On Atlantic property has been reported in a northeasterly direction. Ardent representatives have completed nine quarterly sampling events from 2004 through 2007; all of which showed the groundwater flow direction to the northeast. To assess whether a possible survey or clerical error had occurred, Ardent requested that the survey locations be double checked. Data indicated that the survey information was accurate. GIL, on the other hand, has apparently completed two sampling events from the wells located on the GIL property. Based on data collected from agency files during previous investigations, groundwater flow has been reported in many different directions at other properties located in the site vicinity.
- Due to the sporadic concentrations of TCE detected throughout the vadose zone, a decrease in the concentrations of TCE in soil versus groundwater, no detectable concentrations of PCE in groundwater samples, and the direction of groundwater flow, Earth Tech (consultant for GIL) concluded that it was unlikely that the GIL property had contributed to the groundwater issues. According to Earth Tech, the impacted groundwater beneath the GIL property was due to an off-site source. As expressed to Ardent during this assessment, the DTSC appeared to concur with this conclusion.
- Based on our review, there is a high likelihood that a TCE release has taken place from a former clarifier located on the On Atlantic property and has impacted groundwater. A release of TCE and PCE has also occurred on the GIL property. Although lower concentrations of TCE have been reported in a limited number of soil samples collected beneath the GIL property compared to those in groundwater, there is a high likelihood, in our opinion, that these constituents have migrated to groundwater and are contributing to the local groundwater issues. It has been our experience that TCE and other chlorinated solvents migrate vertically through soils. Earth Tech only completed limited soil sam-

pling in an area of elevated TCE soil vapor concentrations identified on the GIL property. In addition, there has been no groundwater samples collected directly downgradient from either the TCE or PCE soil vapor plumes. Therefore, Ardent does not concur with Earth Tech or the DTSC that the GIL property has not contributed to the local groundwater issues.

3.4 On-Site Investigations and Remediation

A clarifier was previously installed, owned, maintained, and operated by GIL, prior to the acquisition of the property by On Atlantic, LLC. Prior to the removal of the clarifier and based on a Phase I ESA, a number of soil and soil gas investigations were completed throughout the site and in the locations of possible source areas. Based on the results, VOCs, namely TCE, were detected in soil. Laboratory results of the soil gas samples indicated that the concentrations of TCE diminished at distances away from the clarifier. Based on this information, the extent of the impacted soils appeared to be limited to the area in the vicinity of the clarifier. In November 2002, Ninyo & Moore supervised the removal of the clarifier under order from, and the direction of, the Los Angeles County Department of Public Works (LACDPW).

On April 1, 2003, the LACDPW referred the case to the RWQCB. Ninyo & Moore prepared a work plan dated October 15, 2003 to further characterize the impacted soil and to conduct a feasibility/pilot study using vapor extraction technology. Following approval of the work plan by the RWQCB, Ninyo & Moore implemented the work plan. On August 20, 2004, Ninyo & Moore installed a multi-purpose groundwater/vapor well (designated MW-1) in the approximate location of the former clarifier (Figure 2). A vapor extraction system (VES) was installed on MW-1 and an extended pilot study/interim measure was completed. Laboratory results of effluent samples indicated that the concentrations of TCE appeared to have reached asymptotic conditions. Based on this information, the system was turned off and removed from the site. Based on the results of the VES study, Ninyo & Moore concluded that the vapor extraction technology was a feasible remediation technique and had apparently mitigated the impacted soil at the site.

At the direction of the RWQCB, two additional groundwater wells (designated MW-2 and MW-3) were installed at the site in mid-2005. Laboratory results of groundwater samples collected from the three on-site wells have shown relatively consistent TCE results and groundwater flow direction (in a northeasterly direction). In a letter dated June 16, 2006, the RWQCB requested additional groundwater monitoring wells be installed to further assess the extent of the impacted groundwater and the advancement of soil borings to further assess the effectiveness of the pilot study. In a work plan dated August 16, 2006, Ninyo & Moore proposed the scope of work to complete confirmation soil borings and installation of the additional wells. Quarterly groundwater sampling continued through the end of 2007, at which time, monitoring activities were discontinued until further regulatory direction was provided. In a letter dated January 29, 2010, the RWQCB approved the 2006 Ninyo & Moore work plan. This report presents the results of these further investigations.

4 OBJECTIVES

The objectives of the work were to assess the lateral extent of the VOC-impacted groundwater, further assess local groundwater gradient and flow direction, and assess whether soil mitigation in the vicinity of the former on-site clarifier has been completed.

5 GROUNDWATER MONITORING WELL INSTALLATION AND SAMPLING

Prior to the completion of the groundwater monitoring activities, three additional groundwater monitoring wells (designated MW-4 through MW-6) were installed (Figure 2). Although authorization to install these wells was approved by the RWQCB in a letter dated January 29, 2010, installation activities were delayed due to obtaining a License Agreement with the City of Cudahy to complete well installation activities in the street. The wells were installed and developed by J&H Drilling of Santa Ana, California, a State-licensed C-57 drilling contractor under the direction and oversight of Mr. Paul Roberts of Ardent, a State-Professional Geologist.

The wells were installed on May 26 and 28, 2010, developed on June 4, 2010, and sampled on June 11, 2010 (including all six wells). The groundwater well installation, development, and sampling procedures are presented in Appendix A, and groundwater sampling field data sheets

are presented in Appendix B. Boring logs outlining the construction details and lithology are presented in Appendix C. Soil and groundwater samples were analyzed by SunStar Laboratories, Inc., of Lake Forest, California, a State-certified environmental laboratory. Samples were analyzed for VOCs in general accordance with EPA Method No. 8260B, and soil samples were collected in accordance with EPA Method No. 5035. Laboratory reports are presented in Appendix D. Prior to installation, groundwater well construction permits were obtained from the Los Angeles County Public Health (LACPH). Following installation, all casing elevations were surveyed or re-surveyed by a State-licensed surveyor. As presented on Table 1, the new survey elevations were used to calculate groundwater elevations, flow direction, and gradient. Survey data is presented in Appendix E.

5.1 Installation of Additional Groundwater Monitoring Wells

The three additional groundwater wells were installed in the locations shown on Figure 2. Each of the new wells was constructed of 2-inch, Schedule 40 PVC casing with 0.020-inch machine slot perforations. The filter pack included No. 3 sand. Each well was installed at a depth of approximately 70 feet bgs and included perforated casing from approximately 45 to 70 feet bgs. Well installation details are presented in Appendix A and boring logs, presenting the construction details, are presented in Appendix C.

5.2 Soil Sampling and Laboratory Results

As presented in the work plan, soil samples were collected from each pilot boring dilled for the installation of the groundwater wells at depths of approximately 10, 20, 30, and 45 feet bgs. Soil samples were also screened in the field for odors, staining and photoionization detector (PID) readings. As noted on the boring logs, no stained or odorous soil was encountered, and PID readings were all reported at less than 1 ppm. The soil samples were analyzed for VOCs. Laboratory results indicated no detectable to low concentrations of VOCs (see Table 5).

5.3 Groundwater Gradient and Flow Direction

Previous elevations for monitoring wells MW-1 through MW-3 were tied to a relative elevation at the site. Therefore, following installation of the new wells, KDM Meridian of Lake Forest, California, was retained to survey all of the well locations and casing elevations. The casing elevations were tied to the Los Angeles County Bench Mark Y 10816 with an elevation of 122.283 feet. The coordinates for the horizontal datum were tied to the California Coordinate System of 1983; Zone V. Appendix D presents the survey data.

As shown on Figure 3, groundwater flows beneath the site in a northerly direction with a slight variation to the northeast and northwest (Figure 2). Groundwater gradient was calculated at approximately 0.01 foot per foot (ft/ft). The direction of flow and gradient appears to be similar to previous monitoring events.

5.4 Groundwater Sampling

Following development, Ardent waited approximately one week before sampling to allow the wells to stabilize. Prior to sampling, each well was purged of standing water. A water sample was collected after removal of a minimum of three casing volumes of water and/or until stabilization of pH, temperature, and electric conductivity readings to within 5 percent of each other for three consecutive measurements. A submersible pump was used to purge water from monitoring wells MW-1 through MW-3 and a hand bailer was used to purge water from the newly installed wells (MW-4 through MW-6). A hand bailer was used in selected wells due to the limited amount of groundwater needed to be purged. The samples were collected from the disposable bailer or from the submersible pump.

As presented in Appendix A additional samples were also analyzed as part of the quality assurance and quality control (QA/QC) protocol. As part of this procedure, a trip blank was also used.

5.5 Groundwater Laboratory Results

Groundwater samples from all wells, and the trip blank, were analyzed for VOCs in general accordance with EPA Method No. 8260B. As noted on Table 2, elevated concentrations of TCE were noted throughout the site, with lesser concentrations observed in the wells located further east of the site.

Ardent compared these results with the latest round of groundwater sampling completed at the adjacent off-site GIL property. As shown on Figure 4, elevated concentrations of TCE have been detected in groundwater samples collected throughout both properties. Based on the concentrations and homogeneous distribution, the site, the off-site GIL property, and possibly additional off-site sources have contributed to the groundwater conditions.

As noted on Figure 5, Ardent also compared the cis-1,2-DCE concentrations discovered in groundwater samples at the two properties. Cis-1,2-DCE is a breakdown product of TCE. The concentrations of cis-1,2-DCE were much lower on the subject property than on the off-site GIL property; the reason for which is unknown since the release of TCE occurred approximately 50 years ago on the subject property and at least 30 years ago on the off-site GIL property.

Although the lateral extent of impacted groundwater has not yet been assessed, Ardent recommends simultaneously monitoring the existing on- and off-site groundwater monitoring wells in the site vicinity (including those on the off-site GIL property) on a quarterly-basis for one year. This would allow a comparison of data that are collected from the same time frame. To-date, a comparison could only be made of historical data collected in 2005/2006 by GIL with current data collected in 2010 by Ardent. Due to the number of possible sources in the site vicinity, it is recommended that these data be collected and evaluated prior to possibly installing additional off-site wells. Following directive from the RWQCB, Ardent can coordinate sampling activities with consultants from GIL.

6 CONFIRMATION SOIL SAMPLING

On June 1, 2010, Ardent retained Core Probe International, Inc. of Rosemead, California, to complete the confirmation soil borings using direct push equipment. As presented in the approved work plan, soil samples were collected every five feet, beginning at approximately 5 feet and continuing to the bottom of the borehole. Soil samples were screened in the field for odors, staining and PID readings. As noted on the boring logs, no stained or odorous soil was encountered. Except for the samples collected from 50 feet bgs (immediately above the groundwater table), the PID readings were all reported at less than 1 ppm. PID readings of samples collected at 50 feet bgs ranged from 1.4 to 5.3 ppm.

Soil samples at 10, 20, 30, 40, and 50 feet bgs from each boring were chemically analyzed for VOCs. Concentrations of VOCs were generally assessed based on the RWQCB Interim Site Assessment & Cleanup Guidebook dated May 1996 (referred to herein as the "RWQCB guidelines"). The RWQCB guidelines were established to provide cleanup goals to protect groundwater. The guidelines take into account a number of variables including constituents detected, lithological conditions, and depth to groundwater.

In general, detectable VOC concentrations were compared to the RWQCB guidelines, however, based on these guidelines, concentrations would be considered elevated if concentrations exceeded 1 to 4 times the Maximum Contaminant Levels (MCLs) for drinking water standards. It has been our experience at similar properties in the site vicinity that these cleanup guidelines are very conservative.

Due to the fact that groundwater in the immediate site vicinity is not used for municipal purposes, no drinking water wells are located within the site vicinity, and the properties surrounding the site are of primarily commercial use, it has been our experience that regulatory agencies may consider allowing more elevated concentrations of VOCs to be left in-place.

With the exception of soil samples collected within the capillary fringe (immediately above groundwater), laboratory results indicated relatively low concentrations of TCE. Although the concentrations slightly exceeded the general guidelines used by the RWQCB, remediation efforts

reduced the concentrations up to 10 times the original detected amounts (i.e., reduced from thousands of micrograms per kilogram [ug/kg] to tens of ug/kg; Table 4). Based on this information, remedial efforts have reduced the concentrations of TCE to levels which would not be considered a significant threat to groundwater beneath the site. The concentrations remaining in the capillary fringe are possibly due to a wicking effect from groundwater (i.e., representing groundwater concentrations).

In addition, and as discussed in Section 3.3, Ardent reviewed the concentrations of TCE allowed to be left in-place by the DTSC at the off-site GIL property. As discussed above, GIL was allowed to leave TCE in the vadose zone (from 25 to 40 feet bgs) at concentrations up to 153 ug/kg.

7 OTHER ACTIVITIES

Other activities completed for the site included uploading the laboratory data, maps, and reports to the GeoTracker website and disposing of the generated soil, purged groundwater, and decontamination water.

Following receipt of the data, Ardent uploaded the information to the GeoTracker website. Soil cuttings, purged groundwater, and decontamination water generated during drilling activities were containerized in 55-gallon drums and left on-site pending laboratory results. Ardent is in the process of removing these materials from the site. These materials will be disposed of at an appropriate off-site facility.

8 FINDINGS

Based on the results of this and other investigations completed at the site, the following findings were discovered.

- **On-Site Historical Land Use and Investigations** – The site has been used for commercial uses since at least 1929. The existing buildings were constructed in 1950. GIL operated an inspection laboratory at the site from at least 1957 through 1970. During this time, GIL used a clarifier as part of their operations. In 1970, GIL vacated the site and redeveloped the property immediately south of the site. GIL also used this off-site property as an inspection

laboratory. In 2002, On Atlantic, LLC removed the clarifier and discovered TCE-impacted soil that extended to groundwater. The extent of impacted soil was assessed and three groundwater monitoring wells were installed; one of which was a multi-purpose well to be used for vapor extraction and groundwater monitoring. During nine quarterly events, groundwater was measured at depths of approximately 51 to 54 feet bgs. Groundwater flow was calculated to be in a northeasterly direction.

- **Off-Site GIL Property Historical Land Use and Investigations** – Prior to construction of the existing GIL building in 1970, this property was used for residences and stores. In 2004, GIL discovered chlorinated solvents, namely TCE, cis-1,2-DCE, and PCE-impacted soil, soil gas, and groundwater beneath the off-site GIL property. Work was conducted under the direction and oversight of the DTSC. Based on the results of a HHRA, no immediate health risk was identified through possible vapor intrusion. In 2005, two groundwater sampling events were completed which indicated the direction of groundwater flow to be in a southwesterly direction. Based on this information, GIL indicated that the source of the impacted groundwater was off-site (i.e., implying the On Atlantic property).
- **Groundwater Monitoring** – From 2004 through 2007, personnel from Ardent completed nine rounds of groundwater monitoring from three on-site wells. Based on previous soil and soil gas investigations, the former on-site clarifier was assessed to be a possible source of the groundwater contamination. One well was located adjacent to the former clarifier and the remaining wells were located crossgradient from the possible source. During these events, laboratory results showed elevated concentrations of TCE (ranging from approximately 2,000 to 3,000 ug/l) in all three wells. Based on the groundwater flow direction and homogeneous groundwater contamination throughout the site, it was concluded that the source of the impacted groundwater was not only the former on-site clarifier, but possibly another off-site source.
- In accordance with the approved Ninyo & Moore work plan, Ardent installed three additional groundwater monitoring wells to further assess the lateral extent of VOC-impacted groundwater and to help assess the local groundwater flow direction in the vicinity of the site. Laboratory results of groundwater samples collected in June 2010 showed lower concentration of TCE in the on-site wells compared to earlier events (2004 through 2007). Comparing these results with samples collected from the GIL investigations completed in 2005/2006 (the latest reported event), it appears that both the site and the off-site GIL property may have had releases which affected groundwater. The lateral extent of impacted groundwater has not yet been defined.
- **On-Site Soil Remediation and Confirmation Soil Borings** – In 2005 and under the direction and oversight of the RWQCB, On Atlantic, LLC completed a vapor extraction study. The VES operated until influent soil vapor results reached asymptotic conditions. In 2006, Ninyo & Moore prepared a work plan to complete confirmation soil borings. Following approval of the work plan in 2010, Ardent advanced three confirmation borings and collected soil samples. With the exception of soil samples collected within the capillary fringe (immediately above groundwater), laboratory results indicated relatively low concentrations of TCE. Al-

though the concentrations slightly exceeded the general guidelines used by the RWQCB, remediation efforts reduced the concentrations up to 10 times the original detected amounts (i.e., reduced from thousands of ug/kg to tens of ug/kg). Based on this information, remedial efforts have reduced the concentrations of TCE to levels which would not be considered a significant threat to groundwater beneath the site. The concentrations remaining in the capillary fringe represent groundwater concentrations.

9 CONCLUSIONS

Based on current regulatory guidelines and our professional opinions, Ardent presents the following conclusions.

- VOCs, namely TCE, were released from the historical on-site clarifier during its use by GIL. These contaminants impacted soil and groundwater beneath the site.
- Since moving to the adjacent upgradient property, GIL has impacted this property with TCE, cis-1, 2-DCE, and PCE.
- After installing additional on- and off-site wells, Ardent reported groundwater beneath the site to flow in a northerly direction, similar to nine previous rounds of groundwater monitoring activities completed at the site. Groundwater continues to be impacted with TCE and cis-1,2-DCE. The source of the impacted groundwater appears to be due to the historical use of a clarifier at the site by GIL, the existing conditions discovered at the GIL property located immediately upgradient from the site, and possibly another off-site source. Currently, the on-site source has been eliminated (i.e., the clarifier has been removed), and the impacted soil has been remediated.
- Laboratory results of confirmation soil samples collected in the vicinity of the former clarifier have shown that operation of the vapor extraction system in 2005 was successful in remediating the TCE-impacted soil. Residual concentrations of TCE are still present in the capillary fringe possibly due to a wicking effect from impacted groundwater.

10 RECOMMENDATIONS

Based on the information obtained to-date, Ardent recommends the following:

- Ardent requests that the RWQCB issue a no further action (NFA) letter for soil at the site.
- Although the lateral extent of impacted groundwater has not yet been assessed, Ardent recommends simultaneously monitoring the existing on- and off-site groundwater monitoring wells in the site vicinity (including those on the off-site GIL property) on a quarterly-basis for one year. This would allow a comparison of data that are collected from the same time frame. To-date, a comparison could only be made of historical data collected in 2005/2006 by GIL with current data collected in 2010 by Ardent. Due to the number of possible sources in

the site vicinity, it is recommended that these data be collected and evaluated prior to possibly installing additional off-site wells. Following directive from the RWQCB, Ardent can coordinate sampling activities with consultants from GIL.

11 SELECTED REFERENCES

Ardent Environmental Group, Inc. (Ardent), 2007a, Quarterly Groundwater Monitoring Report, First Quarter 2007, 8411 South Atlantic Avenue, Cudahy, California, SLIC No. 1148: Letter report to the California Regional Water Quality Control Board, Los Angeles Region, Los Angeles, California, dated April 13.

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_____, 1996b, Well Receptor Survey, 8411 South Atlantic Avenue, Cudahy, California: Letter report prepared for the California Regional Water Quality Control Board, Los Angeles Region, Los Angeles, California, dated September 8.

State of California Department of Water Resources (DWR), Southern District, 1988, Planned Utilization of the Ground Water Basins of Los Angeles County, Bulletin No. 104, Appendix A Groundwater Geology, dated June 1961 and reprinted April 1988.

TABLE 1 – SUMMARY OF GROUNDWATER ELEVATION MEASUREMENTS

Well No.	MW-1			MW-2			MW-3			MW-4			MW-5			MW-6		
Elevation of TOC	116.27			116.72			116.53			116.04			116.54			115.94		
Date	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)
6/11/2010	54.25	62.02	---	54.08	62.64	---	54.55	61.98	---	53.74	62.3	---	54.18	62.36	---	54.02	61.92	---
Notes: TOC – top of casing --- – Not applicable Depth – feet below ground surface Elevation – feet above mean sea level																		

HISTORICAL GROUNDWATER ELEVATION DATA

Well No.	MW-1			MW-2			MW-3		
Elevation of TOC	99.62			100.09			99.95		
Date	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)	Depth to Groundwater (feet)	Elevation of Groundwater (feet)	Change in Elevation (feet)
12/19/2007	51.17	48.45	-0.22	51.27	48.82	-0.49	51.15	48.8	0.03
9/27/2007	50.95	48.67	-0.34	50.78	49.31	-0.16	51.18	48.77	-0.32
6/22/2007	50.61	49.01	0.05	50.62	49.47	0.03	50.86	49.09	0
3/28/2007	50.66	48.96	0.02	50.65	49.44	0.09	50.86	49.09	0.06
12/26/2006	50.68	48.94	0.24	50.74	49.35	0.16	50.92	49.03	0.19
9/21/2006	50.92	48.70	-0.24	50.9	49.19	-0.23	51.11	48.84	0.12
7/13/2006	50.68	48.94	1.44	50.67	49.42	1.69	51.23	48.72	0.96
9/8/2005	52.12	47.50	0.07	52.36	47.73	0.04	52.19	47.76	0.21
7/11/2005	52.19	47.43	0.54	52.40	47.69	---	52.40	47.55	---
3/15/2005	52.73	46.89	-0.03	---	---	---	---	---	---
12/22/2004	52.7	46.92	1.70	---	---	---	---	---	---
8/27/2004	54.4	45.22	---	---	---	---	---	---	---
Notes: TOC – top of casing --- – Not applicable. Wells MW-2 and MW-3 were installed on 7/5/05. Depth – feet below ground surface Elevation – feet above mean sea level									

TABLE 2 – SUMMARY OF ON-SITE GROUNDWATER SAMPLES

Well No.	Date Sampled	VOCs (µg/l)													
		BDCM	1,1,2-TCA	1,1-DCE	Chloroform	cis-1,2-DCE	PCE	Trans-1,2-DCE	TCE	Bromoform	VC	1,1-DCA	1,2-DCA	Methylene Chloride	Benzene
MW-1	6/11/2010	<1.0	<1.0	3.1	<1	59	<1	3.9	690	<1	<1	<1	<0.5	<1	<0.5
	12/19/2007	<2.5	<2.5	3.8	<2.5	120	<2.5	8.4	2,300	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
	9/27/2007	<0.5	<0.5	<0.5	<0.5	12	<0.5	0.79	2,400	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	6/22/2007	<0.5	<0.5	4.4	<0.5	110	<0.5	8.8	3,500	<0.5	1.7	<0.5	<0.5	<1.0	<0.5
	3/28/2007	<0.5	0.23*	4.4	<0.5	120	0.23*	8.3	3,000	<0.5	1.9	<0.5	<0.5	<1.0	0.26*
	12/26/2006	<50	<50	<50	<50	64	<50	<50	2,900	<50	<50	<50	<50	<50	<50
	9/21/2006	<0.5	<0.5	4.3	<5.0	120	<5.0	7.9	3,100	<5.0	<5.0	<5.0	<5.0	<10	<5.0
	7/13/2006	<0.5	<0.5	3.3	<0.5	100	<0.5	7.2	3,200	1.0	1.8	<0.5	<0.5	<0.5	<0.5
	9/8/2005	26	<5.0	<5.0	<5.0	110	<5.0	6.5	3,300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	89	<5.0	5.7	2,900	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/15/2005	<5.0	<5.0	<5.0	<5.0	59	<5.0	<5.0	1,700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/22/2004	<5.0	<5.0	<5.0	<5.0	62	<5.0	<5.0	1,900	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	8/27/2004	<5.0	0.55	3.3	0.79	99	1.8	5.9	2,300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/11/2010	<1.0	<1.0	3.5	<1	90	<1	4.9	790	<1	<1	<1	<0.5	<1	<0.5
	12/19/2007	<2.5	<2.5	5.3	<2.5	280	<2.5	16	2,400	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
	9/27/2007	<0.5	<0.5	0.64	<0.5	36	<0.5	1.8	2,700	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	6/22/2007	<0.5	<0.5	5.7	<0.5	230	<0.5	15	2,200	<0.5	1.6	<0.5	<0.5	<1.0	<0.5
	3/28/2007	<0.5	<0.5	9	<0.5	410	<0.5	18	3,400	<0.5	2.2	0.4*	<0.5	<1.0	0.34*
	12/26/2006	<25	<25	<25	<25	432	<25	<25	3,790	<25	<25	<25	<25	<25	<25
	9/21/2006	<5.0	<5.0	8.8	<5.0	450	<5.0	21	4,000	<5.0	<5.0	<5.0	<5.0	<10	<5.0
	7/13/2006	<0.5	<0.5	5	<5.0	200	<0.5	11	2,800	<0.5	1.5	1.1	<0.5	<0.5	<0.5
	9/8/2005	<5.0	<5.0	<5.0	<5.0	95	<5.0	6.0	2,500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	82	<5.0	5.7	2,200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/11/2010	<1	<1	2.4	<1	160	<1	7.8	1,200	<1	<1	<1	1.2	<1	<0.5
MW-3	12/19/2007	<2.5	<2.5	3.6	<2.5	410	<2.5	21	2,900	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
	9/27/2007	<0.5	<0.5	<0.5	<0.5	37	<0.5	1.8	2,800	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	6/22/2007	<0.5	<0.5	4.6	<0.5	330	<0.5	21	3,800	<0.5	2	<0.5	1.5	<1.0	0.41*
	3/28/2007	<0.5	0.22	4.9	<0.5	360	<0.5	19	3,600	<0.5	2.2	<0.5	1.3	<1.0	0.39*
	12/26/2006	<50	<50	<50	<50	310	<50	<50	3,370	<50	<50	<50	<50	<50	<50
	9/21/2006	<5.0	<5.0	4.9	<5.0	320	<5.0	17	3,400	<5.0	<5.0	<5.0	<5.0	<10	<5.0
	7/13/2006	<0.5	<0.5	4.4	<0.5	280	<0.5	16	3,700	<0.5	2.2	0.63	2.1	<0.5	<0.5
	9/8/2005	<5.0	<5.0	<5.0	<5.0	240	<5.0	13	2,800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	200	<5.0	13	2,700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-4	6/11/2010	<1	<1	13	<1	180	<1	19	560	<1	<1	4.6	9.4	<1	<0.5
MW-5	6/11/2010	<1	<1	<1	<1	20	<1	<1	20	<1	<1	<1	<0.5	<1	<0.5
MW-6	6/11/2010	<1	<1	1.5	<1	69	<1	3.6	140	<1	<1	<1	<0.5	<1	<0.5
Trip Blank	6/11/2010	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5
	12/19/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/27/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	6/22/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	3/28/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	12/26/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
	9/21/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	7/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.83	<0.5
	9/8/2005	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.5	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.5	<5.0
EPA MCL		NA	5	7	NA	70	5	100	5	NA	2	NA	5	NA	5
CDHS MCL		NA	5	6	NA	6	5	10	5	NA	0.5	5	0.5	NA	1
Notes: VOCs – volatile organic compounds analyzed in general accordance with EPA Method No. 8260B µg/l – micrograms per liter BDCM – bromodichloromethane 1,1,2-TCA – 1,1,2-trichloroethane 1,1-DCE – 1,1-dichloroethene cis-1,2-DCE – cis-1,2-dichloroethene PCE – tetrachloroethene trans-1,2-DCE – trans-1,2-dichloroethene TCE – trichloroethene VC – vinyl chloride 1,1-DCA – 1,1 dichloroethane 1,2-DCA – 1,2-dichloroethane EPA MCLs – Environmental Protection Agency Maximum Contaminant Levels CDHS MCLs – California Department of Health Services Maximum Contaminant Levels <5 – less than 5 µg/l, the laboratory reporting limit NA – not available * – Results are J-Flag (results that are between the Practical Quantitation Limit [PQL] and the Method Detection Limit [MDL])															

TABLE 3 – SUMMARY OF OFF-SITE GENERAL INSPECTION LABORATORY (GIL) GROUNDWATER SAMPLES

Well No.	Date Sampled	VOCs (µg/l)													
		BDCM	1,1,2-TCA	1,1-DCE	Chloroform	cis-1,2-DCE	PCE	Trans-1,2-DCE	TCE	Bromoform	VC	1,1-DCA	1,2-DCA	Methylene Chloride	Benzene
GENIL - MW1	5/9/2006	ND*	ND*	48.4	ND*	195	ND*	9.7	340	ND*	<0.5	75.8	1.3	ND*	ND*
	5/10/2005	ND*	ND*	19.1	ND*	286	ND*	11.5	450	ND*	<0.5	21.8	2.2	ND*	ND*
GENIL - MW2	5/9/2006	ND*	ND*	48.5	ND*	795	ND*	29.6	1,160	ND*	2.5	53.5	<0.5	ND*	ND*
	5/10/2005	ND*	ND*	17.2	ND*	924	ND*	22.4	1,070	ND*	<0.5	21.3	<0.5	ND*	ND*
GENIL - MW3	5/9/2006	ND*	ND*	0.7	ND*	7.3	ND*	0.5	10.7	ND*	<0.5	1.4	<0.5	ND*	ND*
	5/10/2005	ND*	ND*	<0.5	ND*	<0.5	ND*	<0.5	8.4	ND*	<0.5	1.4	<0.5	ND*	ND*
HP-6	6/2006	ND*	ND*	ND*	ND*	497	ND<0.5	ND*	2,000	ND*	ND*	ND*	ND*	ND*	ND*
HP-5	6/2006	ND*	ND*	ND*	ND*	350	ND<0.5	ND*	1,480	ND*	ND*	ND*	ND*	ND*	ND*
ET-GP1	5/2006	ND*	ND*	ND*	ND*	29.5	ND<0.5	ND*	1,390	ND*	ND*	ND*	ND*	ND*	ND*
ET-GP2	5/2006	ND*	ND*	ND*	ND*	15.2	ND<0.5	ND*	92.8	ND*	ND*	ND*	ND*	ND*	ND*
ET-GP3	5/2006	ND*	ND*	ND*	ND*	3.7	ND<0.5	ND*	8.4	ND*	ND*	ND*	ND*	ND*	ND*
EPA MCL		NA	5	7	NA	70	5	100	5	NA	2	NA	5	NA	5
CDHS MCL		NA	5	6	NA	6	5	10	5	NA	0.5	5	0.5	NA	1
Notes: VOCs – volatile organic compounds analyzed in general accordance with EPA Method No. 8260B µg/l – micrograms per liter BDCM – bromodichloromethane 1,1,2-TCA – 1,1,2-trichloroethane 1,1-DCE – 1,1-dichloroethene cis-1,2-DCE – cis-1,2-dichloroethene PCE – tetrachloroethene trans-1,2-DCE – trans-1,2-dichloroethene TCE – trichloroethene VC – vinyl chloride 1,1-DCA – 1,1 dichloroethane 1,2-DCA – 1,2-dichloroethane EPA MCLs – Environmental Protection Agency Maximum Contaminant Levels CDHS MCLs – California Department of Health Services Maximum Contaminant Levels <5 – less than 5 µg/l, the laboratory reporting limit NA – not available ND* - no detectable concentrations, laboratory reporting limit not provided															

TABLE 4 - SUMMARY OF LABORATORY RESULTS OF SOIL SAMPLES

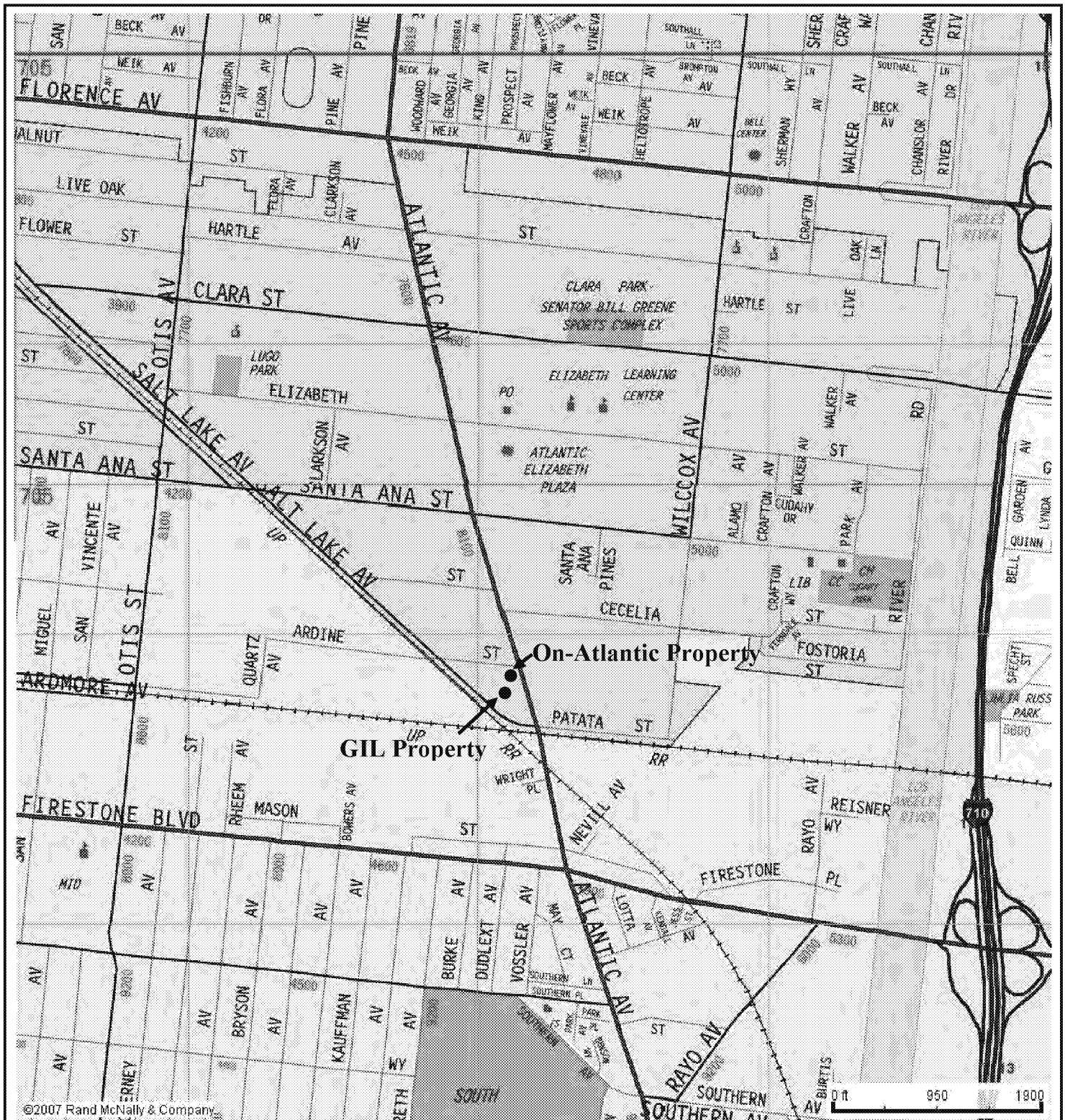
Initial Characterization Sampling						
Boring No.	Rationale	Depth (feet bgs)	TCE (ug/kg)	PCE (ug/kg)	cis-1,2-DCE (ug/kg)	trans-1,2-DCE (ug/kg)
GP-1	Assess the lateral extent of TCE-impacted soil	5	8.3	5.8	ND*	ND*
		15	41	ND*	ND*	ND*
		30	5	ND*	ND*	ND*
		40	63	ND*	ND*	ND*
GP-2	Assess the vertical extent of TCE-impacted soil adjacent to the former clarifier	5	ND*	ND*	ND*	ND*
		15	9	ND*	ND*	ND*
		25	240	ND*	ND*	ND*
		35	5.8	ND*	ND*	ND*
GP-3	Assess the lateral extent of TCE-impacted soil	5	ND*	ND*	ND*	ND*
		15	ND*	ND*	ND*	ND*
		30	37	ND*	ND*	ND*
		40	170	ND*	ND*	ND*
GP-4	Assess the lateral extent of TCE-impacted soil	5	ND*	ND*	ND*	ND*
		15	ND*	ND*	ND*	ND*
		35	ND*	ND*	ND*	ND*
		40	550	ND*	15	ND*
GP-5	Assess the lateral extent of TCE-impacted soil	5	ND*	ND*	ND*	ND*
		15	94	ND*	ND*	ND*
		25	120	ND*	ND*	ND*
		40	96	ND*	ND*	ND*
GP-6	Assess the lateral extent of TCE-impacted soil	5	ND*	ND*	ND*	ND*
		10	ND*	ND*	ND*	ND*
		20	---	---	---	---
NM-1	Further assess the vertical extent of TCE-impacted soil adjacent to the former clarifier	35	9.2	ND*	ND*	ND*
		40	140	ND*	ND*	ND*
		45	3,300	ND*	20	ND*
		50	1,000	ND*	20	ND*
		55	1,000	ND*	16	ND*
NM-2	Assess the lateral extent of TCE-impacted soil	10	ND*	ND*	ND*	ND*
		20	21	ND*	ND*	ND*
		30	120	ND*	ND*	ND*
		40	1,100	ND*	ND*	ND*
		55	200	ND*	ND*	ND*
NM-3	Assess the lateral extent of TCE-impacted soil	10	ND*	ND*	ND*	ND*
		20	340	ND*	ND*	ND*
		30	730	ND*	ND*	ND*
		40	59	ND*	18	ND*
		55	980	ND*	110	4.8
NM-4	Assess the lateral extent of TCE-impacted soil	10	ND*	ND*	ND*	ND*
		20	ND*	ND*	ND*	ND*
		30	11	ND*	ND*	ND*
		40	140	ND*	12	ND*
		55	27	ND*	ND*	ND*

TABLE 4 - SUMMARY OF LABORATORY RESULTS OF SOIL SAMPLES

Confirmation Sampling						
Boring No.	Rationale	Depth (feet bgs)	TCE (ug/kg)	PCE (ug/kg)	cis-1,2-DCE (ug/kg)	trans-1,2-DCE (ug/kg)
CB-1	Confirmation soil boring	10	ND<6.6	ND<6.6	ND<6.6	ND<6.6
		20	ND<6.8	ND<6.8	ND<6.8	ND<6.8
		30	22	ND<6.9	ND<6.9	ND<6.9
		40	35	ND<5	ND<5	ND<5
		50	4,200	ND<5	46	ND<5
CB-2	Confirmation soil boring	10	ND<6	ND<6	ND<6	ND<6
		20	61	ND<5	ND<5	ND<5
		30	94	ND<5	ND<5	ND<5
		40	5.7	ND<5.7	ND<5.7	ND<5.7
		50	550	ND<5	140	ND<5
CB-3	Confirmation soil boring	10	ND<7.5	ND<7.5	ND<7.5	ND<7.5
		20	33	ND<7	ND<7	ND<7
		30	26	ND<9.9	ND<9.9	ND<9.9
		40	16	ND<6.8	ND<6.8	ND<6.8
		50	2,500	ND<4.5	56	ND<4.5
Concentrations Left In-Place at the Off-Site General Inspection Laboratory (GIL) Property		up to 40	up to 153	ND	NA	NA
		>50	up to 214	ND	NA	NA
RWQCB Goals		5	20	20	24	40
		10	15	15	18	30
		15	12.5	12.5	15	25
		20	10	10	12	20
		25	7.5	7.5	9	15
		≥30	5	5	6	10
Notes: feet bgs - feet below the ground surface ug/kg - micrograms per kilogram TCE - trichloroethene PCE - tetrachloroethene cis-1,2-DCE - cis-1,2-dichloroethene trans-1,2-DCE - trans-1,2-dichloroethylene ND* - no detectable concentration above the laboratory reporting limit. No laboratory reporting limit was provided. ND - no detectable concentration above the laboratory reporting limit. NA - not available --- - not analyzed RWQCB Goals - Regional Water Quality Control Board, Los Angeles Region Interim Site Assessment & Cleanup Guidebook						

**TABLE 5 - SUMMARY OF LABORATORY RESULTS OF SOIL SAMPLES
COLLECTED FROM MONITORING WELLS**

Boring No.	Depth (feet bgs)	TCE (ug/kg)	PCE (ug/kg)	cis-1,2-DCE (ug/kg)	trans-1,2-DCE (ug/kg)
MW-4	10	<6.5	<6.5	<6.5	<6.5
	20	<5	<5	<5	<5
	30	13	<5.9	16	<5.9
	45	130	<5	72	<5
MW-5	10	<6.9	<6.9	<6.9	<6.9
	20	<6.6	<6.6	<6.6	<6.6
	30	<7.6	<7.6	<7.6	<7.6
	45	<5	<5	<5	<5
MW-6	10	<6.3	<6.3	<6.3	<6.3
	20	<5	<5	<5	<5
	30	<6.2	<6.2	<6.2	<6.2
	45	33	<5	11	<5
Concentrations Left In-Place at the Off-Site General Inspection	up to 40	up to 153	ND	NA	NA
	>50	up to 214	ND	NA	NA
RWQCB Goals	5	20	20	24	40
	10	15	15	18	30
	15	12.5	12.5	15	25
	20	10	10	12	20
	25	7.5	7.5	9	15
	≥30	5	5	6	10
Notes: feet bgs - feet below the ground surface ug/kg - micrograms per kilogram TCE - trichloroethene PCE - tetrachloroethene cis-1,2-DCE - cis-1,2-dichloroethene trans-1,2-DCE - trans-1,2-dichloroethylene ND* - no detectable concentration above the laboratory reporting limit. No laboratory reporting limit was provided. ND - no detectable concentration above the laboratory reporting limit. NA - not available --- - not analyzed RWQCB Goals - Regional Water Quality Control Board, Los Angeles Region Interim Site Assessment & Cleanup Guidebook					



REFERENCE: 2007 RAND MCNALLY DIGITAL EDITION FOR LOS ANGELES/ORANGE COUNTY, STREET GUIDE AND DIRECTORY



NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE



PROJECT NO.

100011002

DATE

8/09

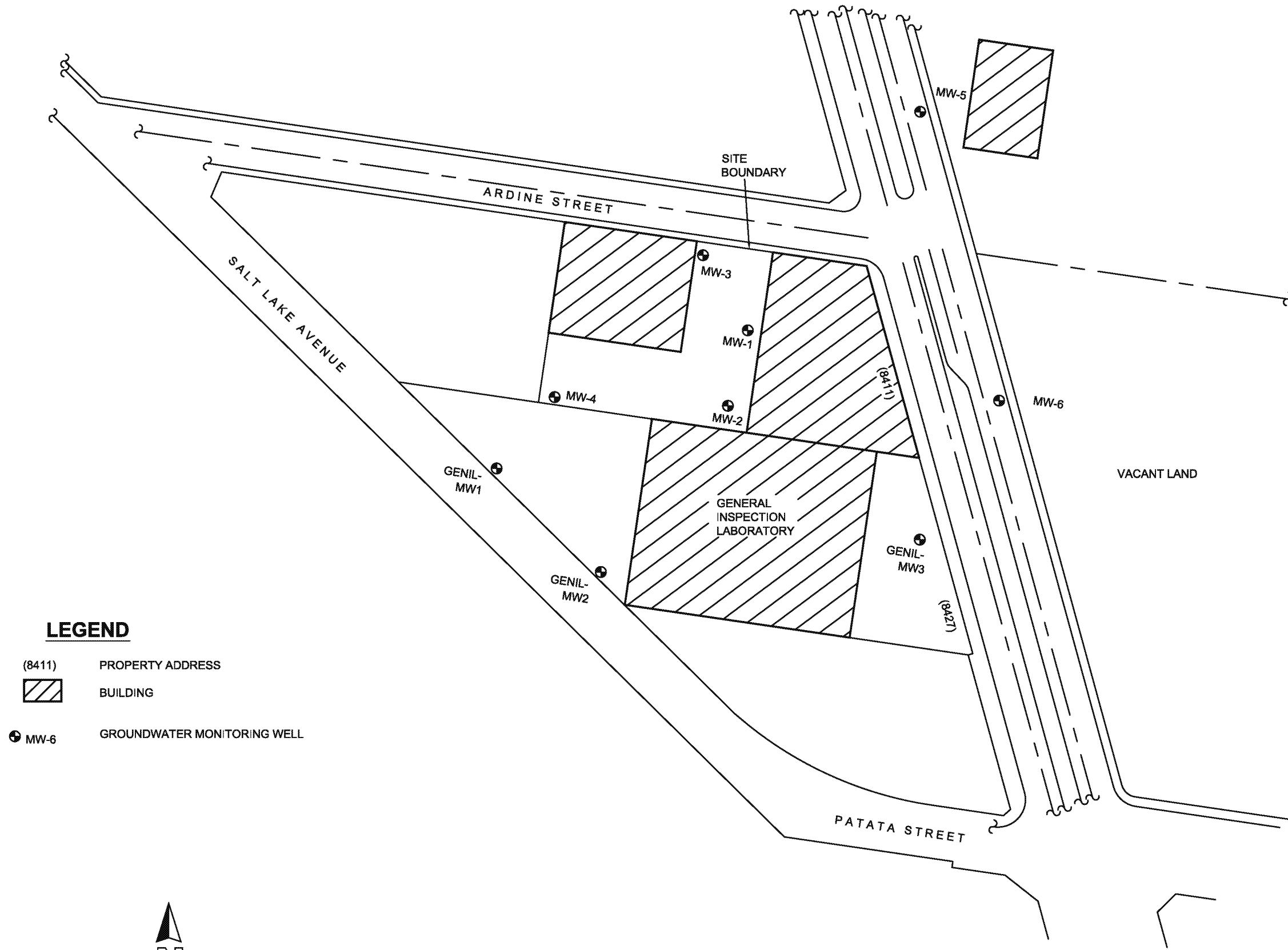
PROPERTY LOCATION MAP

8427 ATLANTIC AVENUE
CUDAHY, CALIFORNIA



FIGURE

1

XX.DWG



LEGEND

- (8411) PROPERTY ADDRESS
-  BUILDING
-  MW-6 GROUNDWATER MONITORING WELL



APPROXIMATE SCALE

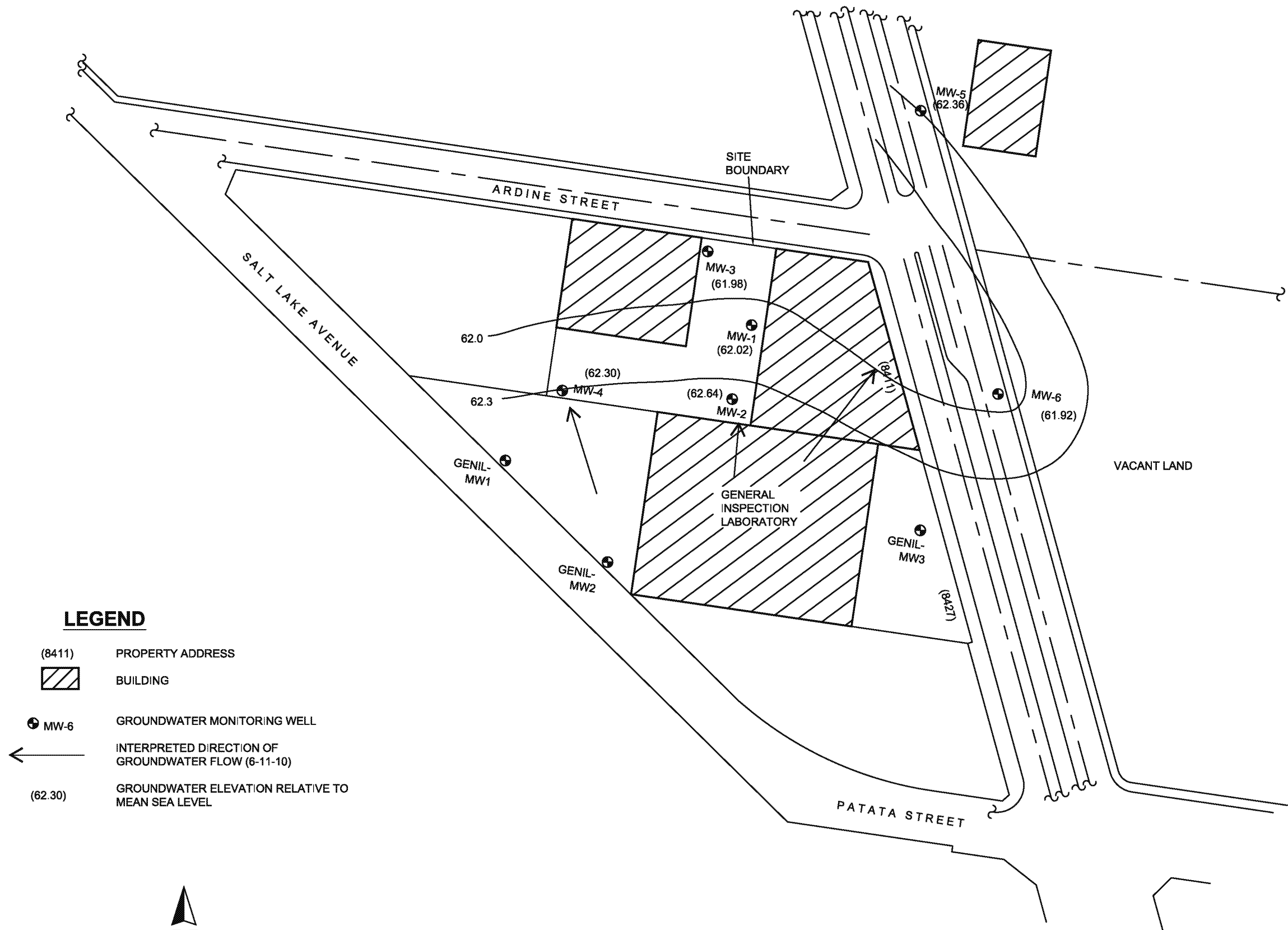
0 100 200 FEET

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

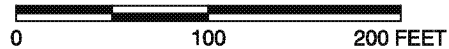


PROJECT NO. 100011003	WELL LOCATION MAP		FIGURE 2
	DATE 7/10	8411 SOUTH ATLANTIC AVENUE CUDAHY, CALIFORNIA	

XX.DWG



APPROXIMATE SCALE



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.



PROJECT NO.

100011003

DATE

7/10

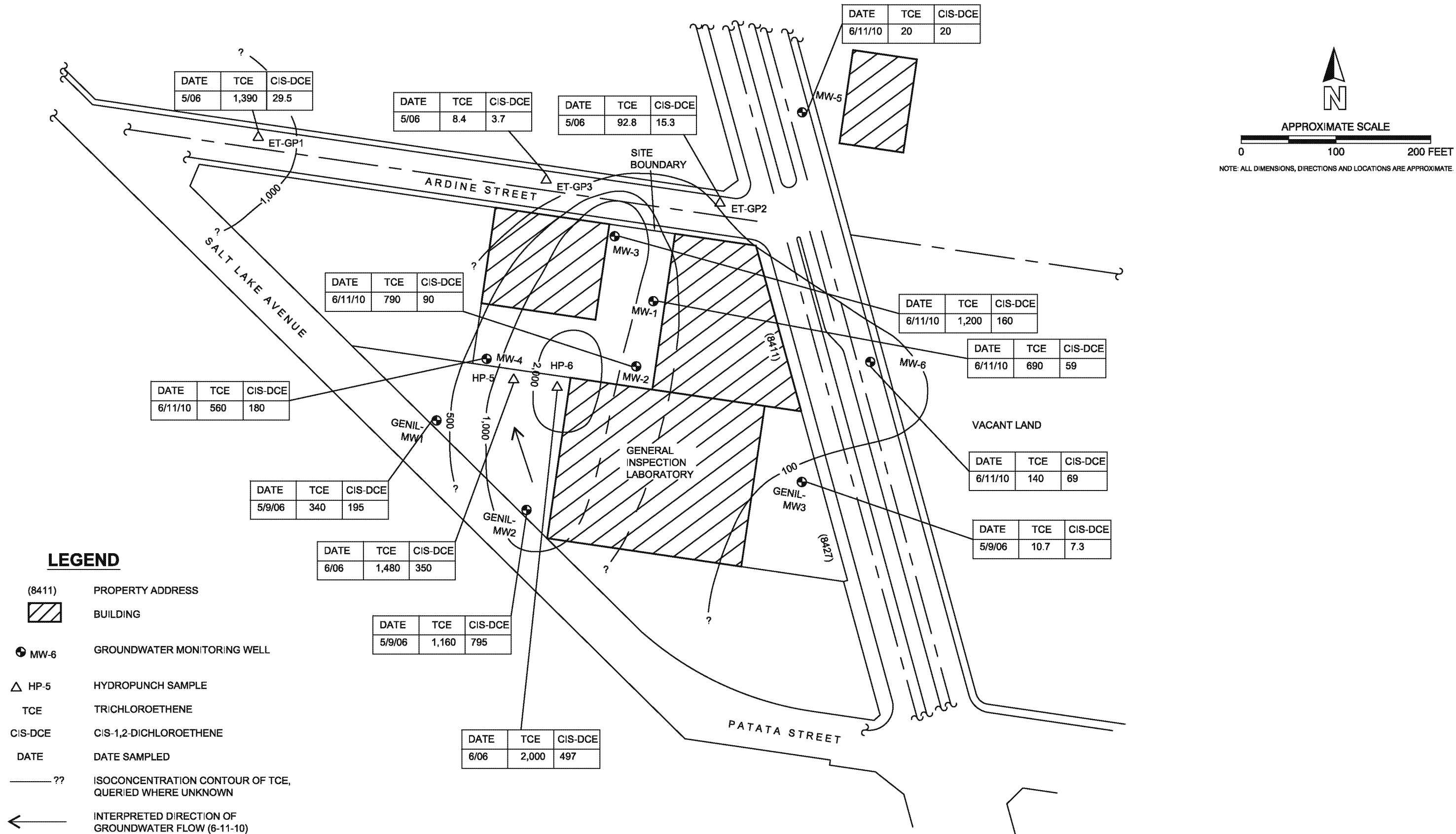
GROUNDWATER FLOW DIRECTION

8411 SOUTH ATLANTIC AVENUE
CUDAHY, CALIFORNIA

FIGURE

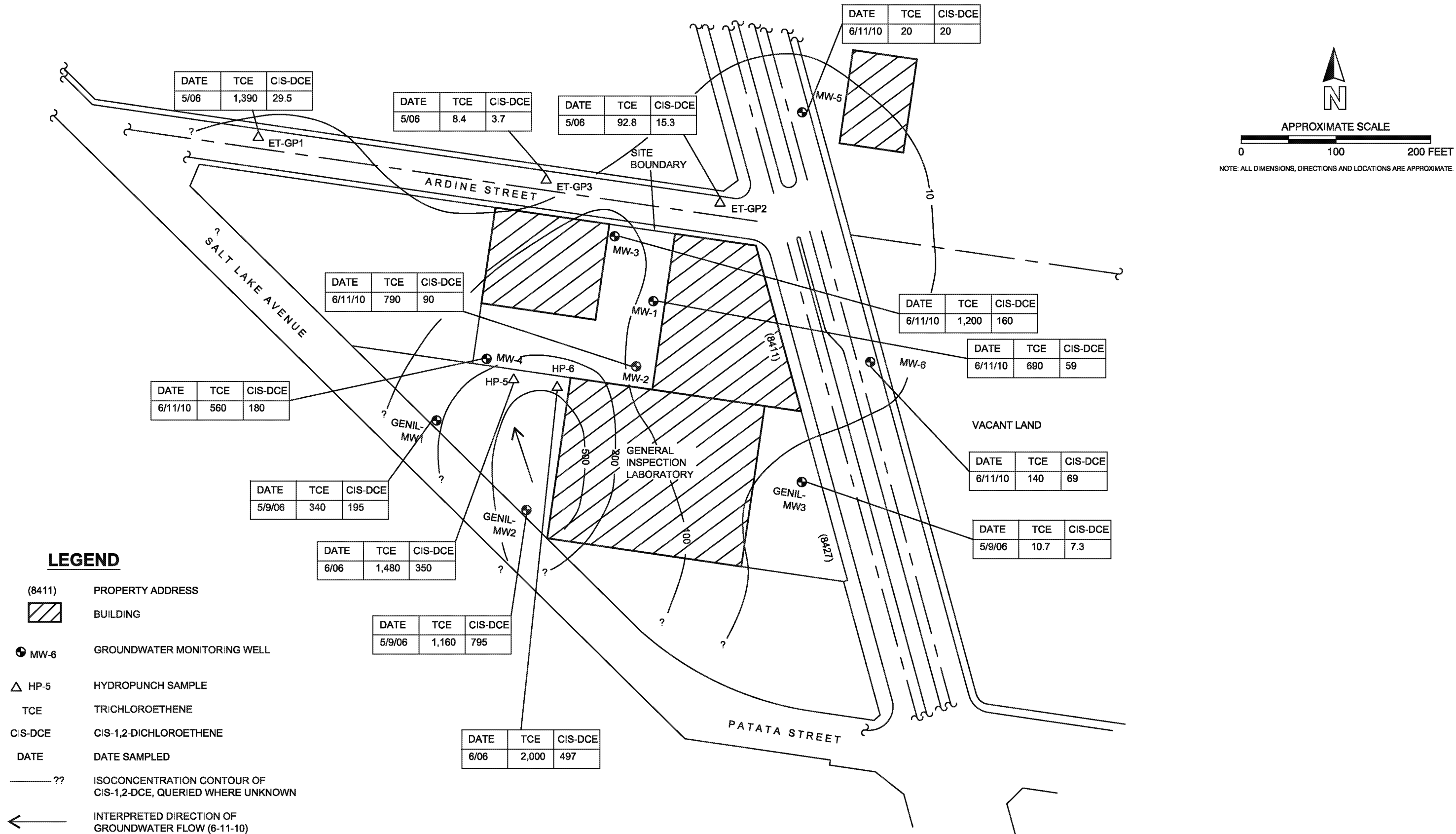
3

XX.DWG

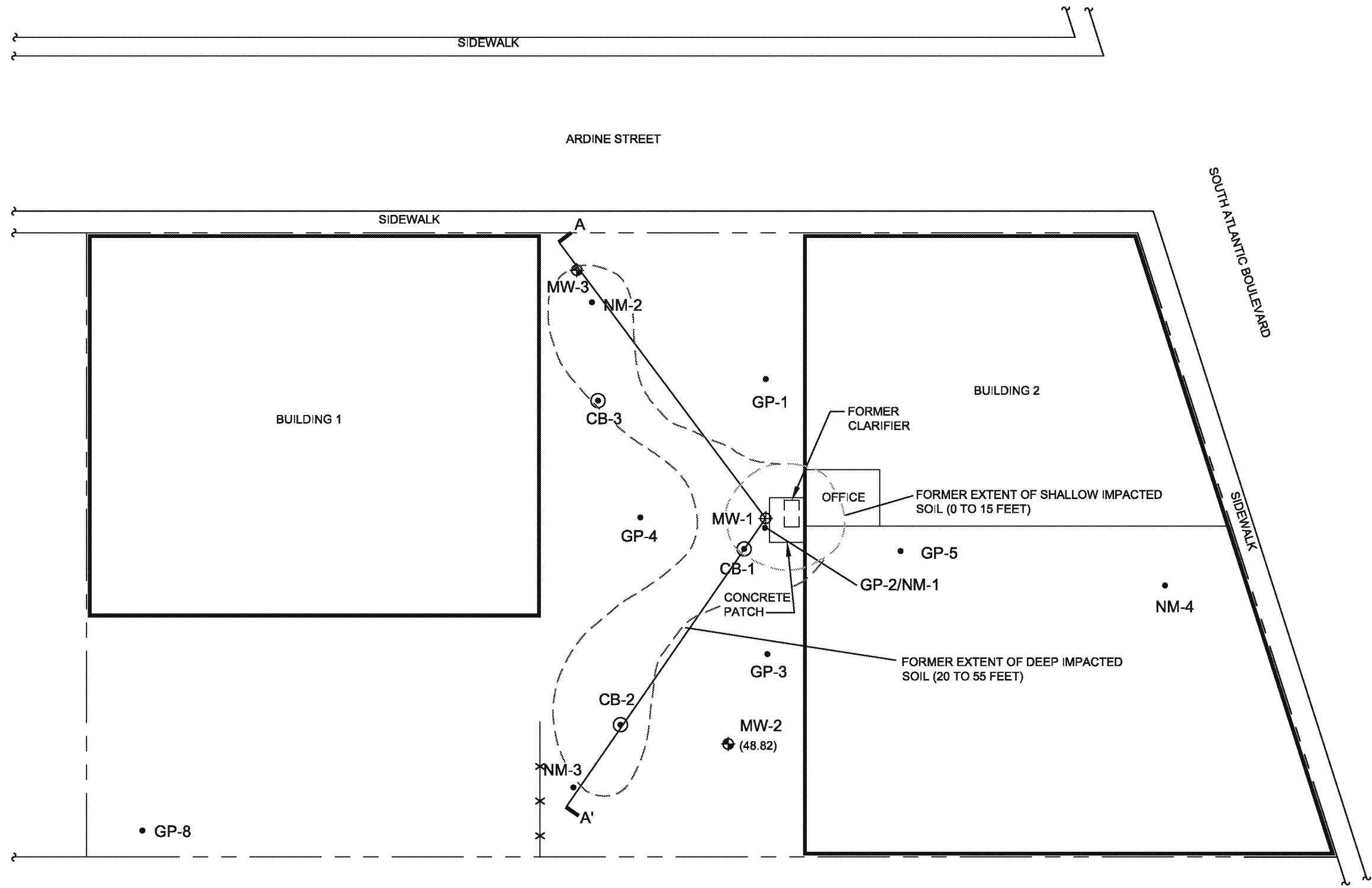


	PROJECT NO. 100011003	TCE ISOCONCENTRATION MAP	FIGURE 4
	DATE 7/10		
		8411 SOUTH ATLANTIC AVENUE CUDAHY, CALIFORNIA	



XX.DWG



	PROJECT NO. 100011003	CIS-1,2-DCE ISOCONCENTRATION MAP	FIGURE 5
	DATE 7/10		
		8411 SOUTH ATLANTIC AVENUE CUDAHY, CALIFORNIA	



LEGEND

- MW-1  MULTI-PURPOSE GROUNDWATER / VAPOR WELL LOCATION AND DESIGNATION
- MW-2  GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- -- --- PROPERTY BOUNDARY
- x-x- CHAIN LINK FENCE
- GP-1 FORMER SOIL BORING LOCATION AND DESIGNATION
- ⊙ CB-1 CONFIRMATION SOIL BORING LOCATION AND DESIGNATION
- A A' CROSS-SECTION A-A (SEE FIGURE 7)



APPROXIMATE SCALE IN FEET

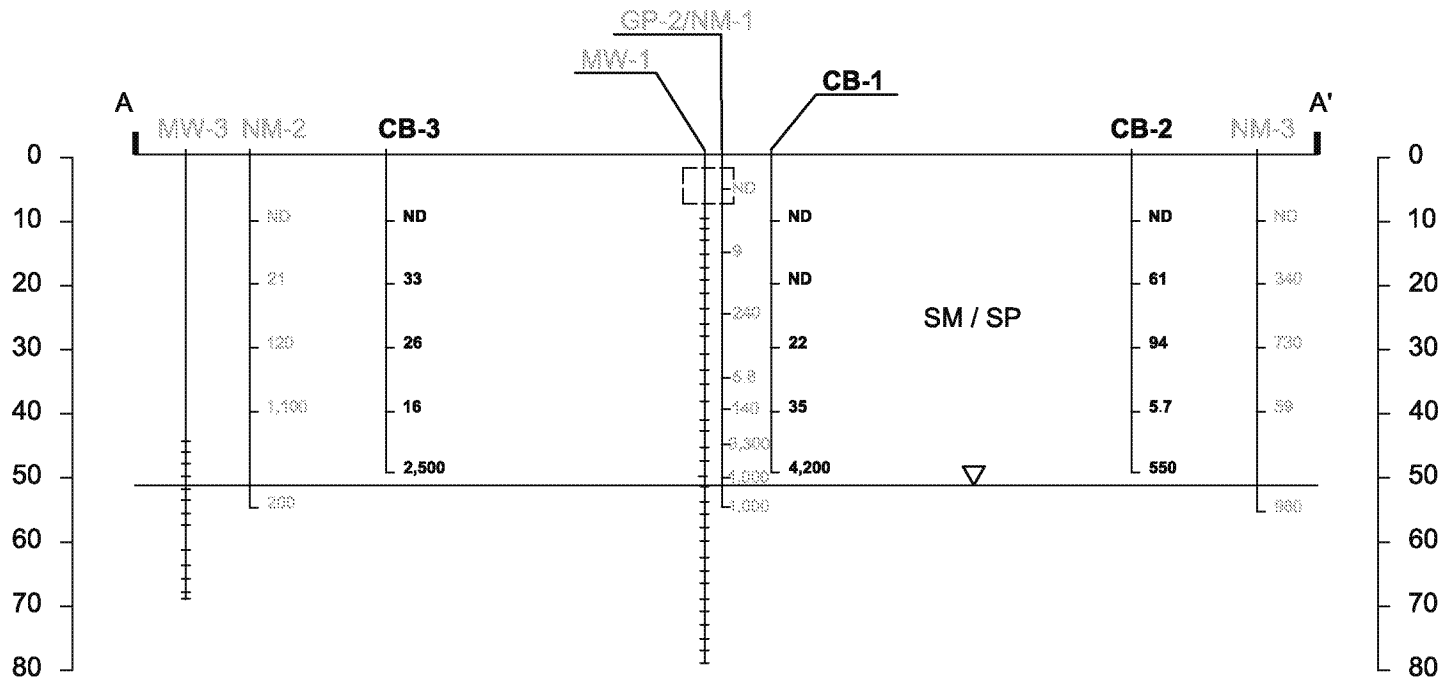
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NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

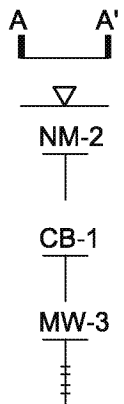


PROJECT NO. 100011003	CONFIRMATION SOIL BORING LOCATION MAP	
	8411 SOUTH ATLANTIC AVENUE CUDAHY, CALIFORNIA	
DATE 7/10		

FIGURE
6



LEGEND



CROSS-SECTION A-A' (SEE FIGURE 6)

GROUNDWATER

INITIAL SOIL BORING

CONFIRMATION SOIL BORING

MONITORING WELL WITH CASING PERFORATIONS

ND NO DETECTABLE CONCENTRATIONS

SM / SP INTERBEDDED SILTY FINE SAND AND FINE SAND

FORMER CLARIFIER LOCATION

0 30 60
APPROXIMATE VERTICAL AND HORIZONTAL
SCALE IN FEET

1,000

CONCENTRATION OF TRICHLOROETHENE
(TCE) IN MICROGRAMS PER KILOGRAM
(ug/Kg)



PROJECT NO.

100011003

DATE

7/10

CROSS-SECTION A-A'

8411 SOUTH ATLANTIC AVENUE
CUDAHY, CALIFORNIA

FIGURE

7

APPENDIX A

FIELD PROCEDURES

FIELD PROCEDURES

Drilling and Soil Sampling Procedures

1. The borings were drilled using a truck-mounted drill rig equipped with nominal 8-inch hollow-stem augers (HSAs, borings for installation of groundwater monitoring wells) or direct push sampling equipment (confirmation soil sampling). Pilot borings were drilled using hand-auger equipment to clear the hole of utilities. Drilling services were provided by a State-licensed drilling contractor.
2. The augers were steam-cleaned prior to the drilling. The hand-auger and direct push equipment were washed as described below in item 6.
3. Soil cuttings from the drilling operations were stored on-site in a Department of Transportation (DOT)-approved 55-gallon drums pending disposal disposition. The soil cuttings are currently being profiled for off-site disposal. Purged groundwater and decontamination water generated during drilling and sampling activities are also being profiled for disposal.
4. Soil descriptions, in general accordance with the Unified Soil Classification System, sample type and depth, and related drilling information, were recorded on a boring log under the supervision of a State-Professional Geologist from Ardent Environmental Group, Inc.
5. In general, soil samples were collected using a split-barrel modified California sampler at approximately 5-foot-depth intervals and continued to the bottom of the boring or at significant changes in lithology.
6. The sampler was washed between sampling intervals, using a bristle brush, with an Alconox solution (an inorganic detergent); followed by a two tapwater rinses. The sampler was dried by air or with a paper towel prior to being used for sampling.
7. Soil samples were collected from each boring for lithological logging and field observations (i.e. staining, odors, and photoionization detector [PID] readings). Samples to be analyzed for volatile organic compounds (VOCs) were collected in general accordance with EPA Method No. 5035. Following retrieval of the sample, a plastic syringe was used to collect two samples of approximately 5 grams of soil. The soil was ejected into a pre-weighed, laboratory supplied, 40-milliliter, VOA vial containing sodium bisulfate. One additional sample weighing approximately 5 grams of soil was collected using the syringe and ejected into a VOA vial containing methanol. A new syringe was used for each sampling interval.
8. The sampler used with the HAS drill rig was driven using a 140-pound hammer (approximate weight) dropping approximately 30 inches.
9. Soil obtained from each sample collection depth was used to describe the soil and measure VOCs using a PID calibrated to hexane. A small portion of soil was removed from the sampler and placed in a Ziploc bag. The bag was agitated and set aside for approximately 15 to

30 minutes to allow organic vapors, if present, to accumulate in the void space (headspace) of the bag. The headspace was then “sniffed” using the PID. The results of the PID readings, as well as descriptions of possible odors or staining, were documented on the boring logs.

10. Following completion, confirmation soil borings were filled with hydrated granular bentonite and capped with asphalt or concrete.

Groundwater Monitoring Well Installation and Development Procedures

1. Monitoring well installation permits were obtained for the groundwater monitoring wells from the Los Angeles County Public Health (LACPH). Encroachment and excavation permits were obtained from the City of Cudahy.
2. The wells were constructed of flush-jointed 2-inch inside diameter (ID) threaded screen and Schedule 40 PVC blank casing. The wells were constructed of 0.020-inch machine-slotted screen width and No. 3 sand filter pack.
3. Each boring was drilled to a depth of approximately 70 feet bgs with casing perforations from 45 to 70 feet bgs. Dry bentonite chips were placed above the filter sand pack, followed by bentonite grout. A traffic-rated well box was placed in concrete at the surface. A full description of the groundwater well construction details is provided on the boring logs.
4. The well casings were installed inside the 8-inch hollow-stem augers.
5. Prior to beginning the placement of the filter pack, the casing was suspended in the annulus of the auger, a few feet of sand filter pack material was poured into the annulus, the augers were lifted 2 to 4 feet, and a few feet of sand filter pack material was poured into the annulus again. The augers were lifted in 2- to 4-foot segments and sand filter pack material placed each time until the sand backfill was approximately 2 feet above the top of the screen.
6. Prior to the placement of the bentonite chip zone, the wells were surged with a surge block for approximately one-half hour to enable settling of the filter pack. If it was necessary, additional filter pack was added.
7. An approximate 3 foot-thick bentonite chip zone was placed immediately above the sand filter pack and was hydrated with water. Bentonite grout was placed above the bentonite chip to a depth of approximately 2 feet bgs.
8. A traffic-rated well housing was placed above the well casing and set in concrete. The traffic-rated well housings were raised approximately 1 inch above the ground surface.
9. Prior to development, depth-to-groundwater in each well was recorded to the nearest 0.01 foot using a conductance probe.

10. After a minimum of 72 hours had elapsed following installation, the wells were developed by surging with a surge block, and bailing using a development rig. Development continued until a minimum of three well volumes (or one borehole volume) of water had been removed and the water from the well became clear. The wells were developed at or near the recovery rate in an attempt to minimize the likelihood of cascading water.
11. Water recovered from the wells was stored in DOT-approved 55-gallon drums on-site until analysis of the initial water samples was completed. Based on the analysis, the water will be disposed of at a recycling facility.
12. The water-depth measuring point on the well casing was noted with a small notch on the north end of the casing and marked with indelible ink. The elevation of the top-of-casing at the notch was surveyed to the nearest 0.01 foot relative to mean sea level by a licensed surveyor. The locations of the wells were also surveyed to second-order accuracy.

Purge Method Groundwater Sample Collection Procedures

1. Field activities and equipment utilization were recorded on Groundwater Sampling Field Data Sheets.
2. The water level and depth to the bottom of the well was measured using a conductance probe, the measurements were recorded to the nearest 0.01 foot. Prior to use, the probe was rinsed in an Alconox solution (an inorganic detergent), followed by two water rinses.
3. The volume of water (in gallons) contained in the well casings was estimated using the following equation:

$$\text{Casing Volume (gallons)} = \pi \times h \times 7.5 \times r_1^2$$

Where r_1 equals the radius of the well casing, h equals the height of the water in the well, $\pi = 3.14$ and 7.5 is equal to gallons per 1 cubic foot of water.

4. Prior to initiating a sampling program, the well was purged of standing water. The previously installed wells (MW-1, MW-2, and MW-3) were purged using a submersible pump, while the newly installed wells (MW-4, MW-5, and MW-6) were purged by hand bailing methods. A water sample was collected following the removal of a minimum of three casing volumes of water and/or stabilization of pH, temperature, and electrical conductivity readings to within 5 percent of each other for three subsequent measurements.
5. A 5-gallon bucket was used to measure the volume of water removed. Groundwater purged from the well was containerized and left on-site in 55-gallon drums.

6. A disposable bailer was used for sampling the newly installed wells while samples collected from the previously installed wells were obtained through the pump.
7. New line was used on the each of the disposable bailers used to sample and purge the wells.
8. Water samples were collected by lowering the bailer approximately 2 to 4 feet below the static groundwater level and raising the bailer slowly in order to minimize agitation of the water sample in the bailer.
9. Water was discharged from the bailer through a bottom discharge valve placed on the bottom of the sample container. Discharge to the sample container was conducted at a rate slow enough to minimize bubbling or significant agitation of the liquid. The sample container was filled to the top (from the bottom up) and overfilled leaving no remaining headspace.
10. Samples were collected in laboratory-approved 40-milliliter glass vials with Teflon septum lids and one-liter amber bottles.

Sample Handling

1. The groundwater samples retained for chemical analyses were placed in Ziploc bags and stored in an ice chest cooled, using ice, to a temperature of approximately 40 degrees Fahrenheit.
2. The samples were delivered to a State-certified environmental laboratory within 24 hours of collection. Sample handling, transport, and delivery to the laboratory were documented using chain-of-custody procedures, including the use of chain-of-custody forms.

Quality Assurance/Quality Control (QA/QC)

1. QA was implemented to assess whether the data obtained were comparable and representative of actual field conditions. The QC checks were controlled samples that were introduced into the sample analysis stream, and were used to assess the performance of the laboratory, and to evaluate the accuracy, precision, and completeness of the laboratory analytical procedures.
2. The QA/QC program consisted of the minimization of possible cross-contamination during sample collection, and included decontamination of sampling equipment; collection of a field duplicate sample; and the internal QA/QC procedures that were conducted by the laboratory: laboratory blanks, laboratory surrogate spikes, and laboratory matrix spike samples.
3. One trip blank water sample (designated TB1) was prepared by the laboratory and consisted of deionized water in a 40-milliliter vial. The sample was handled in the same manner as the groundwater samples collected at the site, and was delivered to the laboratory for chemical analysis.

APPENDIX B

GROUNDWATER SAMPLING

FIELD DATA SHEETS



GROUNDWATER SAMPLING FIELD LOG

Project Name: On-Atlantic
 Project No.: 100011003
 Monitoring Well ID: MW-1

Date: 6-11-10 Sampler: Paul R
 Weather: Clear, warm
 Site Location: 8411 S. Atlantic Ave

Casing Diameter: ☐ 2" ☒ 4" ☐ 6" ☐ Other
 Total Depth (ft-TOC): 79.5
 Depth to Water (ft-TOC) 54.25

Casing Material: ☒ SCH 40-PVC ☐ Other: S. Steel
 LNAPL Observed?: None DNAPL Observed?: None
 LNAPL Thickness (ft): NA DNAPL Thickness (ft): NA

Borehole Volume (BV)
 Water Column Height: 25.25 ft X 2" casing/6" borehole = 0.47 gal/ft
4" casing/ 10" borehole = 1.76 gal/ft = 44.4 gal.

Water Level Measurement Equip.: Solinst
 Purging Method/Equipment: Submersible pump
 Pump Lines/Bailer Ropes-New or Cleaned?: dedicated tubing

Time	Purge Vol. (gallons)	Depth to GW (feet)	Temp. (°F)	Cond. (µS/cm)	pH	TDS (ppm)	Rate of GW removal (gpm)	Comments (color, turbidity, odor, sheen, etc...)
12:30	0		78.8	1403	7.02	682	~1	Cloudy, no sheen
12:35	5		74.2	1328	6.95	660		Clear, no sheen
12:40	10		73.0	1314	6.95	659		"
12:45	15		72.8	1319	6.95	661		"
12:50	20		72.7	1317	6.95	655		"
12:53	25		72.3	1309	6.95	656		"
12:55	30		72.5	1314	6.96	658		"
12:58	35		72.4	1315	6.95	654		"
1:02	40		72.4	1309	6.95	655		"
1:05	45		72.2	1311	6.95	656		"

Total Volume Purged (gallon): 45
 Depth to Groundwater After Purging (ft): 54.35

Time Finished Purging: 1:05

Sampling Method/Equipment: thru pump

Bailer/Rope-New or Cleaned?: NA
 Depth to Groundwater Prior to Sampling: 54.35
 Percent Recovery: 100%
 Sample Time: 1:08
 Sample ID: MW-1
 Duplicate Sample ID (if appl.):

Laboratory: Sunstar

Comments: 190 Hz

Parameter	USEPA Method	Containers/Vol./Type (VOA/Glass/Plastic)	Preservative
VOCs	8260B	3 VOA	Yes

- Notes:
- Borehole Volume (BV, gallons) = $\pi \times h \times 7.5 \times [0.3(r_2^2 - r_1^2) + r_1^2]$, where r_1 = radius of the well casing (in feet), r_2 = radius of the borehole (in feet), h = height of the water column in the well (in feet), $\pi = 3.14$, 7.5 gallons per foot, and 0.3 = 30% porosity.
 - Minimum Purge Volume = one BV and the stabilization of groundwater parameters within 5% for three consecutive readings.
 - Maximum Purge Volume = three BV (with no groundwater parameter testing). Must obtain 80% recovery before sampling.
 - Prior to sampling, groundwater recovery must be 80% of total purged drawdown. If less than 80%, wait 2 hours after purging to sample.

GROUNDWATER SAMPLING FIELD LOG

GROUNDWATER SAMPLING FIELD LOG

GROUNDWATER SAMPLING FIELD LOG



GROUNDWATER SAMPLING FIELD LOG

Project Name: On-Atlantic
 Project No.: 100011003
 Monitoring Well ID: MW-6

Date: 6-11-10 Sampler: Bul R.
 Weather: Clear, warm
 Site Location: 8411 Atlantic Ave.

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other
 Total Depth (ft-TOC): 69.53
 Depth to Water (ft-TOC): 54.02

Casing Material: ☒ SCH 40-PVC ☐ Other: S. Steel
 LNAPL Observed?: None DNAPL Observed?: None
 LNAPL Thickness (ft): NA DNAPL Thickness (ft): NA

Borehole Volume (BV) 15.51 ft X 2" casing/6" borehole = 0.47 gal/ft
 Water Column Height: 15.51 ft X 4" casing/ 10" borehole = 1.76 gal/ft = 7.3 gal.

Water Level Measurement Equip.: Solinst
 Purging Method/Equipment: Hand bailer
 Pump Lines/Bailer Ropes-New or Cleaned?: new

Time	Purge Vol. (gallons)	Depth to GW (feet)	Temp. (°F)	Cond. (µS/cm)	pH	TDS (ppm)	Rate of GW removal (gpm)	Comments (color, turbidity, odor, sheen, etc...)
7:35	0		70.8	2831	7.06	1570	≈ 0.25	Clear
7:45	1		71.6	1374	6.97	684		Slightly cloudy, no sheen
7:50	2		71.8	1309	7.0	655		"
7:55	3		71.7	1297	7.02	648		"
8:00	4		72.0	1294	7.02	648		"
8:05	5		72.7	1298	7.00	648		"
8:10	6		72.5	1289	7.02	642		"
8:18	7		72.3	1293	7.02	646		"
8:23	8		72.2	1283	7.05	641		"

Total Volume Purged (gallon): 8
 Depth to Groundwater After Purging (ft): 54.05

Time Finished Purging: 8:23

Sampling Method/Equipment: Disposable bailer

Bailer/Rope-New or Cleaned?: New
 Depth to Groundwater Prior to Sampling: 54.05
 Percent Recovery: 100
 Sample Time: 8:25
 Sample ID: MW-6
 Duplicate Sample ID (if appl.):

Laboratory: Sun Star

Comments:




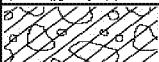



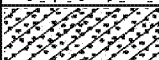


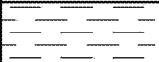



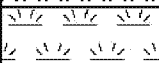
Parameter	USEPA Method	Containers/Vol./Type (VOA/Glass/Plastic)	Preservative
VOCs	8260B	3 VOAs	Yes

Notes:
 - Borehole Volume (BV, gallons) = $\pi \times h \times \{0.5(r_2^3 - r_1^3) + r_1^2\}$, where r_1 = radius of the well casing (in feet), r_2 = radius of the borehole (in feet), h = height of the water column in the well (in feet), $\pi = 3.14$, 7.5 gallons per foot, and 0.5 = 30% porosity.
 - Minimum Purge Volume = one BV and the stabilization of groundwater parameters within 5% for three consecutive readings.
 - Maximum Purge Volume = three BV (with no groundwater parameter testing). Must obtain 80% recovery before sampling.
 - Prior to sampling, groundwater recovery must be 80% of total purged drawdown. If less than 80%, wait 2 hours after purging to sample.

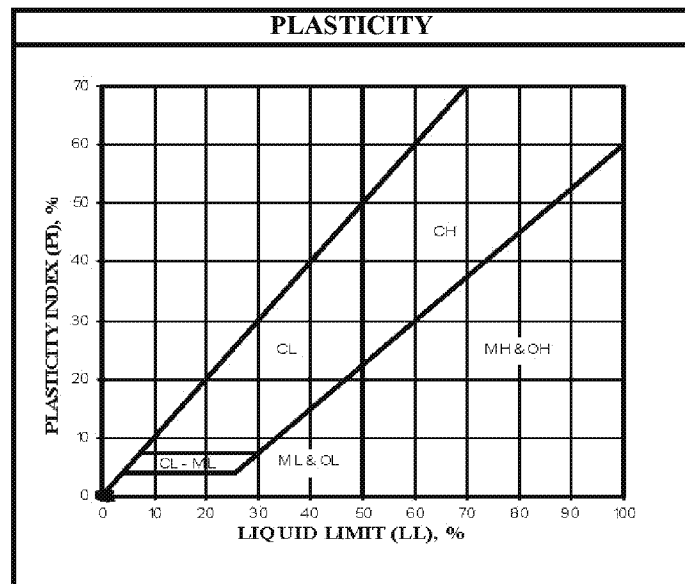
APPENDIX C
BORING LOGS



U.S.C.S. METHOD OF SOIL CLASSIFICATION

MAJOR DIVISIONS		SYMBOL		TYPICAL NAMES	
COARSE-GRAINED SOILS (More than 1/2 of soil > No. 200 sieve size)	GRAVELS (More than 1/2 of coarse fraction > No. 4 sieve size)		GW	Well graded gravels or gravel-sand mixtures, little or no fines	
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines	
			GM	Silty gravels, gravel-sand-silt mixtures	
			GC	Clayey gravels, gravel-sand-clay mixtures	
	SANDS (More than 1/2 of coarse fraction < No. 4 sieve size)		SW	Well graded sands or gravelly sands, little or no fines	
			SP	Poorly graded sands or gravelly sands, little or no fines	
			SM	Silty sands, sand-silt mixtures	
			SC	Clayey sands, sand-clay mixtures	
FINE-GRAINED SOILS (More than 1/2 of soil < No. 200 sieve size)	SILTS & CLAYS Liquid limit < 50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fined sands or clayey silts	
			CL	Inorganic clays of low to medium plasticity gravelly clays, sandy clays, silty clays, lean	
			OL	Organic silts and organic silty clays of low plasticity	
	SILTS & CLAYS Liquid limit > 50		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	
			CH	Inorganic clays of high plasticity, fat clays	
			OH	Organic clays of medium to high plasticity, organic silty clays, organic silts	
		HIGHLY ORGANIC SOILS			PT

GRAIN SIZE CHART		
CLASSIFICATION	RANGE OF GRAIN SIZE	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL Coarse Fine	3" to No. 4	76.2 to 4.76
	3" to 3/4"	73.2 to 19.1
	3/4" to No. 4	19.1 to 4.76
SAND Coarse Medium Fine	No. 4 to No. 200	4.76 to 0.075
	No. 4 to No. 10	4.76 to 2.00
	No. 10 to No. 40	2.00 to 0.420
	No. 40 to No. 200	0.420 to 0.075
Silt & Clay	Below No. 200	Below 0.075





Arden Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-1

PAGE 1 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 6/1/10 COMPLETED 6/1/10

GROUND ELEVATION _____ HOLE SIZE _____

DRILLING CONTRACTOR Core Probe Drilling

GROUND WATER LEVELS:

DRILLING METHOD Direct Push

AT TIME OF DRILLING ---

LOGGED BY PAR CHECKED BY PAR

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
0.5					Asphalt
					(SP) Moderate yellowish brown (10YR 5/4), moist, fine SAND.
5		PID = <1			
			SP		
10	CB-1-10	PID = <1			
15		PID = <1			
14.0					
			SM		(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND.
20	CB-1-20	PID = <1			

TESTER - GINT STD US GDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-1

PAGE 2 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20					(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND. (continued)
25		PID = <1	SM		Becomes moderate yellowish brown (10YR 5/4).
30	CB-1-30	PID = <1			
35		PID = <1	SP		(SP) Pale yellowish brown (10YR 6/2), moist, fine SAND.
40	CB-1-40	PID = <1	SM		(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND.

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-1

PAGE 3 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
45		PID = <1	SM		(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND. (continued)
50	CB-1-50	PID = 5.3			

No odor or staining noted in samples throughout boring.
No groundwater encountered.
Bottom of borehole at 50.0 feet.

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 6/1/10 COMPLETED 6/1/10

GROUND ELEVATION HOLE SIZE

DRILLING CONTRACTOR Core Probe Drilling

GROUND WATER LEVELS:

DRILLING METHOD Direct Push

AT TIME OF DRILLING ---

LOGGED BY PAR CHECKED BY PAR

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

	DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
	0					
			PID = <1			Asphalt
			PID = <1	SP		(SP) Moderate yellowish brown (10YR 5/4), moist, fine SAND.
	5					
		CB-2-10	PID = <1			
	10					
			PID = <1			
	15					
				SM		(SM) Dark yellowish brown (01YR 4/2), moist, silty fine SAND.
		CB-2-20	PID = <1			Becomes moderate yellowish brown (10YR 5/4).
	20					

ESTER - GINT STD USGDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-2

PAGE 2 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20					(SM) Dark yellowish brown (01YR 4/2), moist, silty fine SAND. (continued)
25		PID = <1	SM		
30	CB-2-30	PID = <1			
35		PID = <1	SP		(SP) Pale yellowish brown (10YR 6/2), moist, fine SAND.
40	CB-2-40	PID = <1			Becomes dark yellowish brown (10YR 4/2).
			SM		(SM) Dusky yellowish brown (10YR 2/2), moist, silty fine SAND.

TESTER - GINT STD US.GDT - 7/6/10 11.45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-2

PAGE 3 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
45		PID = <1			(SM) Dusky yellowish brown (10YR 2/2), moist, silty fine SAND. <i>(continued)</i>
			SM		
50	CB-2-50	PID = 1.6			

No odor or staining noted in samples throughout boring.
No groundwater encountered.
Bottom of borehole at 50.0 feet.



Ardent Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-3

PAGE 1 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 6/1/10 COMPLETED 6/1/10

GROUND ELEVATION _____ HOLE SIZE _____

DRILLING CONTRACTOR Core Probe Drilling

GROUND WATER LEVELS:

DRILLING METHOD Direct Push

AT TIME OF DRILLING ---

LOGGED BY PAR CHECKED BY PAR

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
0.5					Asphalt
					(SP) Moderate yellowish brown (10YR 5/4), moist, fine SAND.
5		PID = <1			
			SP		
10	CB-3-10	PID = <1			
15		PID = <1			
14.5					
			SM		(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND.
20	CB-3-20	PID = <1			

TESTER - GINT STD US GDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CB-3

PAGE 2 OF 3

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20					(SM) Dark yellowish brown (10YR 4/2), moist, silty fine SAND. (continued)
25		PID = <1	SM		
30	CB-3-30	PID = <1			
35		PID = <1	SP		(SP) Pale yellowish brown (10YR 6/2), moist, fine SAND.
40	CB-3-40	PID = <1			Becomes dark yellowish brown (10YR 4/2).
			SM		(SM) Dusky yellowish brown (10YR 2/2), moist, silty fine SAND.

TESTER - GINT STD US.GDT - 7/6/10 11.45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

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Corona, California 92882
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Fax: 951-736-7560

BORING NUMBER CB-3

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CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
45		PID = <1			(SM) Dusky yellowish brown (10YR 2/2), moist, silty fine SAND. <i>(continued)</i>
50	CB-3-50	PID = 1.4	SM		

No odor or staining noted in samples throughout boring.
No groundwater encountered.
Bottom of borehole at 50.0 feet.



Arden Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-4

PAGE 1 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 5/26/10 COMPLETED 5/26/10

GROUND ELEVATION _____ HOLE SIZE _____

DRILLING CONTRACTOR J & H Drilling Company, Inc.

GROUND WATER LEVELS:

DRILLING METHOD CME w/ 8" HSA

AT TIME OF DRILLING ---

LOGGED BY PAR CHECKED BY PAR

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TESTER - GINT STD US GDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0							Casing Top Elev: 0 (ft)
0.5						Asphalt	
						(SP) Moderate yellowish brown (10YR 5/4), moist, medium dense, fine SAND.	
5							
10	MW-4-10	6-9-12 (21)	PID = <1	SP			
13.0							
						(SM) Dark yellowish brown (10YR 4/2), moist, medium dense, silty fine SAND.	
15							
20	MW-4-20	6-6-8 (14)	PID = <1	SM			

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CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
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WELL NUMBER MW-4

PAGE 3 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
45	MW-4-45	8-9-13 (22)	PID = <1			(SM) Grayish olive (10Y 4/2), moist, medium dense, silty fine SAND. (continued)	
50				SM			
55							
57.0							
60				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND.	
65							

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WELL NUMBER MW-4

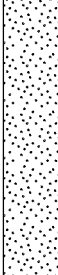
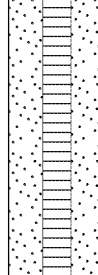
PAGE 4 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
70				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND. (continued)	

Well constructed of 2-inch PVC casing; 0.020-inch perforations from 45 to 70 feet; No. 3 sand filter pack from 43 to 70 feet; bentonite chips from 40 to 43 feet; bentonite grout from 2 to 40 feet; concrete and traffic rated well box from 0 to 2 feet.
No odor or staining noted throughout boring.
Bottom of borehole at 70.0 feet.



Arden Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-5

PAGE 1 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 5/28/10 COMPLETED 5/28/10

GROUND ELEVATION _____ HOLE SIZE _____

DRILLING CONTRACTOR J & H Drilling Company, Inc.

GROUND WATER LEVELS:

DRILLING METHOD CME w/ 8" HSA

AT TIME OF DRILLING ---

LOGGED BY PAR CHECKED BY PAR

▼ AT END OF DRILLING 53.60 ft

NOTES _____

AFTER DRILLING ---

TESTER - GINT STD US GDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0							Casing Top Elev: 0 (ft)
0.5						Asphalt	
						(SP) Moderate yellowish brown (10YR 5/4), moist, medium dense, fine SAND.	
5							
10	MW-5-10	7-11-10 (21)	PID = <1	SP			
15							
16.0							
						(SM) Dark yellowish brown (10YR 4/2), moist, medium dense, silty fine SAND.	
20	MW-5-20	5-10-12 (22)	PID = <1	SM			

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1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-5

PAGE 2 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
20							
25				SM		(SM) Dark yellowish brown (10YR 4/2), moist, medium dense, silty fine SAND. (continued)	
28.0							
30	MW-5-30	10-10-12 (22)	PID = <1			(SP) Moderate yellowish brown (10YR 5/4), moist, medium dense, fine SAND.	
35				SP			
40							
42.0				SM		(SM) Grayish olive (10Y 4/2), moist, medium dense, silty fine SAND.	

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TESTER - GINT STD US.GDT - 7/6/10 11.45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ



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1141 Pomona Road Suite E
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Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-5

PAGE 3 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
45	MW-5-45	10-12-14 (26)	PID = <1			(SM) Grayish olive (10Y 4/2), moist, medium dense, silty fine SAND. (continued)	
50				SM			
55						▼ Groundwater measured at 53.6 feet following well installation.	
60						57.0	
65				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND.	

(Continued Next Page)



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1141 Pomona Road Suite E
Corona, California 92882
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WELL NUMBER MW-5

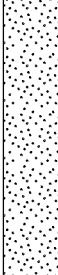
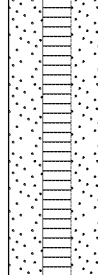
PAGE 4 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
70				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND. (continued)	

Well constructed of 2-inch PVC casing; 0.020-inch perforations from 45 to 70 feet; No. 3 sand filter pack from 43 to 70 feet; bentonite chips from 40 to 43 feet; bentonite grout from 2 to 40 feet; concrete and traffic rated well box from 0 to 2 feet.
No odor or staining noted throughout boring.
Bottom of borehole at 70.0 feet.



Arden Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-6

PAGE 1 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DATE STARTED 5/26/10

COMPLETED 5/26/10

GROUND ELEVATION _____

HOLE SIZE _____

DRILLING CONTRACTOR _____

GROUND WATER LEVELS:

DRILLING METHOD CME w/ 8" HSA

AT TIME OF DRILLING ---

LOGGED BY PAR

CHECKED BY PAR

▼ AT END OF DRILLING 52.20 ft

NOTES _____

AFTER DRILLING ---

TESTER - GINT STD US GDT - 7/6/10 11:45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0							Casing Top Elev: 0 (ft)
0.5						Asphalt	
						(SP) Moderate yellowish brown (10YR 5/4), moist, medium dense, fine SAND.	
5							
10	MW-6-10	8-9-10 (19)	PID = <1	SP			
15							
19.0	MW-6-20	6-8-9 (17)	PID = <1	ML		(ML) Dark yellowish brown (10YR 4/2), moist, very stiff, clayey SILT.	
20							

(Continued Next Page)



Arden Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-6

PAGE 2 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
20							
				ML		(ML) Dark yellowish brown (10YR 4/2), moist, very stiff, clayey SILT. (continued)	
25							
						26.0	
				SM		(SM) Moderate yellowish brown (10YR 5/4), moist, medium dense, silty fine SAND.	
30	MW-6-30	5-10-15 (25)	PID = <1				
						32.0	
				SP		(SP) Pale yellowish brown (10YR 6/2), moist, medium dense, fine SAND.	
35							
						39.0	
				ML		(ML) Dark yellowish brown (10YR 4/2), moist, very stiff, clayey SILT.	
40							
						42.0	
				SM		(SM) Grayish olive (10Y 4/2), moist, medium dense, silty fine SAND.	

(Continued Next Page)

TESTER - GINT STD US.GDT - 7/6/10 11.45 - C:\PROGRAM FILES\GINT\PROJECTS\100011003 BL.GPJ



Ardent Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-6

PAGE 3 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
45	MW-6-45	13-14-16 (30)	PID = <1			(SM) Grayish olive (10Y 4/2), moist, medium dense, silty fine SAND. (continued)	
50				SM			
55						Groundwater measured at 52.2 feet after installing well casing.	
60							
65				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND.	

(Continued Next Page)



Ardent Environmental Group Inc.
1141 Pomona Road Suite E
Corona, California 92882
Telephone: 951-736-5334
Fax: 951-736-7560

WELL NUMBER MW-6


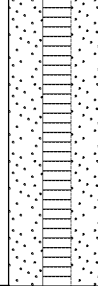
PAGE 4 OF 4

CLIENT On Atlantic, LLC

PROJECT NAME On Atlantic

PROJECT NUMBER 100011003

PROJECT LOCATION 8411 South Atlantic Avenue, Cudahy

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
70				SP		(SP) Dusky yellowish brown (10YR 2/2), moist, medium dense, fine SAND. (continued)	

Well constructed of 2-inch PVC casing; 0.020-inch perforations from 45 to 70 feet; No.3 sand filter pack from 43 to 70 feet; bentonite chips from 40 to 43 feet; bentonite grout from 2 to 40 feet; concrete and traffic rated well box from 0 to 2 feet.
No odor or staining noted throughout boring.
Bottom of borehole at 70.0 feet.

APPENDIX D

LABORATORY REPORTS



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

03 June 2010

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: On-Atlantic

Enclosed are the results of analyses for samples received by the laboratory on 05/26/10 14:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4-10	T000491-01	Soil	05/26/10 00:00	05/26/10 14:20
MW-4-20	T000491-02	Soil	05/26/10 00:00	05/26/10 14:20
MW-4-30	T000491-03	Soil	05/26/10 00:00	05/26/10 14:20
MW-4-45	T000491-04	Soil	05/26/10 00:00	05/26/10 14:20
MW-6-10	T000491-05	Soil	05/26/10 00:00	05/26/10 14:20
MW-6-20	T000491-06	Soil	05/26/10 00:00	05/26/10 14:20
MW-6-30	T000491-07	Soil	05/26/10 00:00	05/26/10 14:20
MW-6-45	T000491-08	Soil	05/26/10 00:00	05/26/10 14:20

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-10
T000491-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.5	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	6.5	"	"	"	"	"	"	
Bromodichloromethane	ND	6.5	"	"	"	"	"	"	
Bromoform	ND	6.5	"	"	"	"	"	"	
Bromomethane	ND	6.5	"	"	"	"	"	"	
n-Butylbenzene	ND	6.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.5	"	"	"	"	"	"	
Chlorobenzene	ND	6.5	"	"	"	"	"	"	
Chloroethane	ND	6.5	"	"	"	"	"	"	
Chloroform	ND	6.5	"	"	"	"	"	"	
Chloromethane	ND	6.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.5	"	"	"	"	"	"	
Dibromochloromethane	ND	6.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.5	"	"	"	"	"	"	
Dibromomethane	ND	6.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-10
T000491-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.5	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.5	"	"	"	"	"	"	
Isopropylbenzene	ND	6.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.5	"	"	"	"	"	"	
Methylene chloride	ND	6.5	"	"	"	"	"	"	
Naphthalene	ND	6.5	"	"	"	"	"	"	
n-Propylbenzene	ND	6.5	"	"	"	"	"	"	
Styrene	ND	6.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.5	"	"	"	"	"	"	
Tetrachloroethene	ND	6.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.5	"	"	"	"	"	"	
Trichloroethene	ND	6.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.5	"	"	"	"	"	"	
Vinyl chloride	ND	6.5	"	"	"	"	"	"	
Benzene	ND	6.5	"	"	"	"	"	"	
Toluene	ND	6.5	"	"	"	"	"	"	
Ethylbenzene	ND	6.5	"	"	"	"	"	"	
m,p-Xylene	ND	6.5	"	"	"	"	"	"	
o-Xylene	ND	6.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.4 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		166 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-10
T000491-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-20
T000491-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-20
T000491-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.9 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		179 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-20
T000491-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-30
T000491-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.9	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	5.9	"	"	"	"	"	"	
Bromodichloromethane	ND	5.9	"	"	"	"	"	"	
Bromoform	ND	5.9	"	"	"	"	"	"	
Bromomethane	ND	5.9	"	"	"	"	"	"	
n-Butylbenzene	ND	5.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.9	"	"	"	"	"	"	
Chlorobenzene	ND	5.9	"	"	"	"	"	"	
Chloroethane	ND	5.9	"	"	"	"	"	"	
Chloroform	ND	5.9	"	"	"	"	"	"	
Chloromethane	ND	5.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
Dibromochloromethane	ND	5.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.9	"	"	"	"	"	"	
Dibromomethane	ND	5.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	16	5.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.9	"	"	"	"	"	"	

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John Shepler, Laboratory Director

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-30
T000491-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.9	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.9	"	"	"	"	"	"	
Isopropylbenzene	ND	5.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.9	"	"	"	"	"	"	
Methylene chloride	ND	5.9	"	"	"	"	"	"	
Naphthalene	ND	5.9	"	"	"	"	"	"	
n-Propylbenzene	ND	5.9	"	"	"	"	"	"	
Styrene	ND	5.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
Tetrachloroethene	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.9	"	"	"	"	"	"	
Trichloroethene	13	5.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.9	"	"	"	"	"	"	
Vinyl chloride	ND	5.9	"	"	"	"	"	"	
Benzene	ND	5.9	"	"	"	"	"	"	
Toluene	ND	5.9	"	"	"	"	"	"	
Ethylbenzene	ND	5.9	"	"	"	"	"	"	
m,p-Xylene	ND	5.9	"	"	"	"	"	"	
o-Xylene	ND	5.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		111 %	92.2-109		"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene		94.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		161 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-30
T000491-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-45
T000491-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	72	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-45
T000491-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	130	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		91.0 %	92.2-109		"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene		80.8 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		203 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-4-45
T000491-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-10
T000491-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.3	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	6.3	"	"	"	"	"	"	
Bromodichloromethane	ND	6.3	"	"	"	"	"	"	
Bromoform	ND	6.3	"	"	"	"	"	"	
Bromomethane	ND	6.3	"	"	"	"	"	"	
n-Butylbenzene	ND	6.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.3	"	"	"	"	"	"	
Chlorobenzene	ND	6.3	"	"	"	"	"	"	
Chloroethane	ND	6.3	"	"	"	"	"	"	
Chloroform	ND	6.3	"	"	"	"	"	"	
Chloromethane	ND	6.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.3	"	"	"	"	"	"	
Dibromochloromethane	ND	6.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.3	"	"	"	"	"	"	
Dibromomethane	ND	6.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.3	"	"	"	"	"	"	

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949.297.5020 Phone
949.297.5027 Fax

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-10
T000491-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.3	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.3	"	"	"	"	"	"	
Isopropylbenzene	ND	6.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.3	"	"	"	"	"	"	
Methylene chloride	ND	6.3	"	"	"	"	"	"	
Naphthalene	ND	6.3	"	"	"	"	"	"	
n-Propylbenzene	ND	6.3	"	"	"	"	"	"	
Styrene	ND	6.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.3	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.3	"	"	"	"	"	"	
Tetrachloroethene	ND	6.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.3	"	"	"	"	"	"	
Trichloroethene	ND	6.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.3	"	"	"	"	"	"	
Vinyl chloride	ND	6.3	"	"	"	"	"	"	
Benzene	ND	6.3	"	"	"	"	"	"	
Toluene	ND	6.3	"	"	"	"	"	"	
Ethylbenzene	ND	6.3	"	"	"	"	"	"	
m,p-Xylene	ND	6.3	"	"	"	"	"	"	
o-Xylene	ND	6.3	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.4 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		173 %	74.4-119		"	"	"	"	S-GC

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949.297.5020 Phone
949.297.5027 Fax

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-10
T000491-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-20
T000491-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0052703	05/27/10	06/01/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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949.297.5020 Phone
949.297.5027 Fax

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-20
T000491-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0052703	05/27/10	06/01/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		132 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-20
T000491-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-30
T000491-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.2	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
Bromochloromethane	ND	6.2	"	"	"	"	"	"	
Bromodichloromethane	ND	6.2	"	"	"	"	"	"	
Bromoform	ND	6.2	"	"	"	"	"	"	
Bromomethane	ND	6.2	"	"	"	"	"	"	
n-Butylbenzene	ND	6.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.2	"	"	"	"	"	"	
Chlorobenzene	ND	6.2	"	"	"	"	"	"	
Chloroethane	ND	6.2	"	"	"	"	"	"	
Chloroform	ND	6.2	"	"	"	"	"	"	
Chloromethane	ND	6.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.2	"	"	"	"	"	"	
Dibromochloromethane	ND	6.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.2	"	"	"	"	"	"	
Dibromomethane	ND	6.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-30
T000491-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.2	ug/kg	1	0052703	05/27/10	05/31/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.2	"	"	"	"	"	"	
Isopropylbenzene	ND	6.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.2	"	"	"	"	"	"	
Methylene chloride	ND	6.2	"	"	"	"	"	"	
Naphthalene	ND	6.2	"	"	"	"	"	"	
n-Propylbenzene	ND	6.2	"	"	"	"	"	"	
Styrene	ND	6.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	
Tetrachloroethene	ND	6.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.2	"	"	"	"	"	"	
Trichloroethene	ND	6.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.2	"	"	"	"	"	"	
Vinyl chloride	ND	6.2	"	"	"	"	"	"	
Benzene	ND	6.2	"	"	"	"	"	"	
Toluene	ND	6.2	"	"	"	"	"	"	
Ethylbenzene	ND	6.2	"	"	"	"	"	"	
m,p-Xylene	ND	6.2	"	"	"	"	"	"	
o-Xylene	ND	6.2	"	"	"	"	"	"	
Surrogate: Toluene-d8		96.6 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		159 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-30
T000491-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-45
T000491-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0052703	05/27/10	06/01/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	11	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-45
T000491-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0052703	05/27/10	06/01/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	33	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		145 %	74.4-119		"	"	"	"	S-GC

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
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Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

MW-6-45
T000491-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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949.297.5020 Phone
949.297.5027 Fax

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0052703 - EPA 5035 GCMS

Blank (0052703-BLK1)

Prepared: 05/27/10 Analyzed: 05/31/10

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

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949.297.5020 Phone
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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0052703 - EPA 5035 GCMS

Blank (0052703-BLK1)

Prepared: 05/27/10 Analyzed: 05/31/10

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Surrogate: Toluene-d8	39.6		"	40.0		99.1	92.2-109			
Surrogate: 4-Bromofluorobenzene	38.2		"	40.0		95.6	75.1-121			
Surrogate: Dibromofluoromethane	41.2		"	40.0		103	74.4-119			

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949.297.5020 Phone
949.297.5027 Fax

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0052703 - EPA 5035 GCMS

LCS (0052703-BS1)

Prepared: 05/27/10 Analyzed: 05/31/10

Chlorobenzene	92.5	5.0	ug/kg	100		92.5	75-125			
1,1-Dichloroethene	82.6	5.0	"	100		82.6	75-125			
Trichloroethene	91.2	5.0	"	100		91.2	75-125			
Benzene	91.0	5.0	"	100		91.0	75-125			
Toluene	90.7	5.0	"	100		90.7	75-125			
Surrogate: Toluene-d8	39.1		"	40.0		97.8	92.2-109			
Surrogate: 4-Bromofluorobenzene	39.8		"	40.0		99.5	75.1-121			
Surrogate: Dibromofluoromethane	41.2		"	40.0		103	74.4-119			

LCS Dup (0052703-BSD1)

Prepared: 05/27/10 Analyzed: 05/31/10

Chlorobenzene	89.3	5.0	ug/kg	100		89.3	75-125	3.52	20	
1,1-Dichloroethene	83.4	5.0	"	100		83.4	75-125	1.02	20	
Trichloroethene	90.7	5.0	"	100		90.7	75-125	0.495	20	
Benzene	89.4	5.0	"	100		89.4	75-125	1.66	20	
Toluene	92.2	5.0	"	100		92.2	75-125	1.69	20	
Surrogate: Toluene-d8	40.4		"	40.0		101	92.2-109			
Surrogate: 4-Bromofluorobenzene	38.8		"	40.0		97.1	75.1-121			
Surrogate: Dibromofluoromethane	41.4		"	40.0		104	74.4-119			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/03/10 16:26

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Arden Environmental Group, Inc.
Address: 1141 Pomona Rd, Suite E Corona
Phone: 951-736-5334 Fax: _____
Project Manager: Paul Roberts

Date: 5-26-10 Page: 1 Of 1
Project Name: On-Atlantic
Collector: PAR Client Project #: 100011003
Batch #: T000491 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
MW-4-10	5-26-10		Soil	5035 VOA	X									01	Use RWQCB detection limits	3
MW-4-20	↓		↓	↓	X								02	3		
MW-4-30		X								03	3					
MW-4-45		X							04	3						
MW-6-10		X							05	3						
MW-6-20		X							06	3						
MW-6-30		X							07	3						
MW-6-45		X							08	3						
<div> <div> Relinquished by: (signature) <u>Paul Roberts</u> Date / Time <u>5/26/10 2:20</u> Relinquished by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ </div> <div> Received by: (signature) <u>[Signature]</u> Date / Time <u>5/26/10 1420</u> Received by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ </div> <div> Total # of containers <u>24</u> Chain of Custody seals Y/N/NA <u>N</u> Seals intact? Y/N/NA <u>N/A</u> Received good condition/cold <u>Y</u> Turn around time: <u>Standard</u> </div> <div> Notes <u>3.6</u> </div> </div>																

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

COC 92188



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

08 June 2010

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: On-Atlantic

Enclosed are the results of analyses for samples received by the laboratory on 05/29/10 09:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5-10	T000515-01	Soil	05/28/10 00:00	05/29/10 09:10
MW-5-20	T000515-02	Soil	05/28/10 00:00	05/29/10 09:10
MW-5-30	T000515-03	Soil	05/28/10 00:00	05/29/10 09:10
MW-5-45	T000515-04	Soil	05/28/10 00:00	05/29/10 09:10

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-10
T000515-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.9	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	6.9	"	"	"	"	"	"	
Bromodichloromethane	ND	6.9	"	"	"	"	"	"	
Bromoform	ND	6.9	"	"	"	"	"	"	
Bromomethane	ND	6.9	"	"	"	"	"	"	
n-Butylbenzene	ND	6.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.9	"	"	"	"	"	"	
Chlorobenzene	ND	6.9	"	"	"	"	"	"	
Chloroethane	ND	6.9	"	"	"	"	"	"	
Chloroform	ND	6.9	"	"	"	"	"	"	
Chloromethane	ND	6.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.9	"	"	"	"	"	"	
Dibromochloromethane	ND	6.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.9	"	"	"	"	"	"	
Dibromomethane	ND	6.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.9	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-10
T000515-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.9	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.9	"	"	"	"	"	"	
Isopropylbenzene	ND	6.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.9	"	"	"	"	"	"	
Methylene chloride	ND	6.9	"	"	"	"	"	"	
Naphthalene	ND	6.9	"	"	"	"	"	"	
n-Propylbenzene	ND	6.9	"	"	"	"	"	"	
Styrene	ND	6.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.9	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.9	"	"	"	"	"	"	
Trichloroethene	ND	6.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.9	"	"	"	"	"	"	
Vinyl chloride	ND	6.9	"	"	"	"	"	"	
Benzene	ND	6.9	"	"	"	"	"	"	
Toluene	ND	6.9	"	"	"	"	"	"	
Ethylbenzene	ND	6.9	"	"	"	"	"	"	
m,p-Xylene	ND	6.9	"	"	"	"	"	"	
o-Xylene	ND	6.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		147 %	74.4-119		"	"	"	"	

SunStar Laboratories, Inc.

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-10
T000515-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-20
T000515-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.6	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	6.6	"	"	"	"	"	"	
Bromodichloromethane	ND	6.6	"	"	"	"	"	"	
Bromoform	ND	6.6	"	"	"	"	"	"	
Bromomethane	ND	6.6	"	"	"	"	"	"	
n-Butylbenzene	ND	6.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.6	"	"	"	"	"	"	
Chlorobenzene	ND	6.6	"	"	"	"	"	"	
Chloroethane	ND	6.6	"	"	"	"	"	"	
Chloroform	ND	6.6	"	"	"	"	"	"	
Chloromethane	ND	6.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.6	"	"	"	"	"	"	
Dibromochloromethane	ND	6.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.6	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.6	"	"	"	"	"	"	
Dibromomethane	ND	6.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.6	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-20
T000515-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.6	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.6	"	"	"	"	"	"	
Isopropylbenzene	ND	6.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.6	"	"	"	"	"	"	
Methylene chloride	ND	6.6	"	"	"	"	"	"	
Naphthalene	ND	6.6	"	"	"	"	"	"	
n-Propylbenzene	ND	6.6	"	"	"	"	"	"	
Styrene	ND	6.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.6	"	"	"	"	"	"	
Trichloroethene	ND	6.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.6	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.6	"	"	"	"	"	"	
Vinyl chloride	ND	6.6	"	"	"	"	"	"	
Benzene	ND	6.6	"	"	"	"	"	"	
Toluene	ND	6.6	"	"	"	"	"	"	
Ethylbenzene	ND	6.6	"	"	"	"	"	"	
m,p-Xylene	ND	6.6	"	"	"	"	"	"	
o-Xylene	ND	6.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		164 %	74.4-119		"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-20
T000515-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-30
T000515-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	7.6	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	7.6	"	"	"	"	"	"	
Bromodichloromethane	ND	7.6	"	"	"	"	"	"	
Bromoform	ND	7.6	"	"	"	"	"	"	
Bromomethane	ND	7.6	"	"	"	"	"	"	
n-Butylbenzene	ND	7.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	7.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	7.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	7.6	"	"	"	"	"	"	
Chlorobenzene	ND	7.6	"	"	"	"	"	"	
Chloroethane	ND	7.6	"	"	"	"	"	"	
Chloroform	ND	7.6	"	"	"	"	"	"	
Chloromethane	ND	7.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	7.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	7.6	"	"	"	"	"	"	
Dibromochloromethane	ND	7.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	7.6	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.6	"	"	"	"	"	"	
Dibromomethane	ND	7.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	7.6	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	7.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	7.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	7.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	7.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	7.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	7.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	7.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	7.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	7.6	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-30
T000515-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	7.6	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	7.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	7.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	7.6	"	"	"	"	"	"	
Isopropylbenzene	ND	7.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	7.6	"	"	"	"	"	"	
Methylene chloride	ND	7.6	"	"	"	"	"	"	
Naphthalene	ND	7.6	"	"	"	"	"	"	
n-Propylbenzene	ND	7.6	"	"	"	"	"	"	
Styrene	ND	7.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.6	"	"	"	"	"	"	
Tetrachloroethene	ND	7.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	7.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	7.6	"	"	"	"	"	"	
Trichloroethene	ND	7.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	7.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	7.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	7.6	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	7.6	"	"	"	"	"	"	
Vinyl chloride	ND	7.6	"	"	"	"	"	"	
Benzene	ND	7.6	"	"	"	"	"	"	
Toluene	ND	7.6	"	"	"	"	"	"	
Ethylbenzene	ND	7.6	"	"	"	"	"	"	
m,p-Xylene	ND	7.6	"	"	"	"	"	"	
o-Xylene	ND	7.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		103 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		157 %	74.4-119		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-30
T000515-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-45
T000515-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-45
T000515-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060105	06/01/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		169 %	74.4-119		"	"	"	"	

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

MW-5-45
T000515-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060105 - EPA 5030 GCMS

Blank (0060105-BLK1)

Prepared: 06/01/10 Analyzed: 06/02/10

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060105 - EPA 5030 GCMS

Blank (0060105-BLK1)

Prepared: 06/01/10 Analyzed: 06/02/10

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Toluene-d8	40.3		"	40.0		101	92.2-109			
Surrogate: 4-Bromofluorobenzene	41.9		"	40.0		105	75.1-121			
Surrogate: Dibromofluoromethane	54.2		"	40.0		136	74.4-119			S-GC

LCS (0060105-BS1)

Prepared: 06/01/10 Analyzed: 06/02/10

Chlorobenzene	87.5	5.0	ug/kg	100		87.5	75-125			
1,1-Dichloroethene	78.4	5.0	"	100		78.4	75-125			
Trichloroethene	84.9	5.0	"	100		84.9	75-125			
Benzene	91.4	5.0	"	100		91.4	75-125			
Toluene	89.0	5.0	"	100		89.0	75-125			
Surrogate: Toluene-d8	40.3		"	40.0		101	92.2-109			
Surrogate: 4-Bromofluorobenzene	42.6		"	40.0		106	75.1-121			
Surrogate: Dibromofluoromethane	56.4		"	40.0		141	74.4-119			S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060105 - EPA 5030 GCMS

LCS Dup (0060105-BSD1)

Prepared: 06/01/10 Analyzed: 06/02/10

Chlorobenzene	91.0	5.0	ug/kg	100		91.0	75-125	3.92	20	
1,1-Dichloroethene	81.4	5.0	"	100		81.4	75-125	3.63	20	
Trichloroethene	84.8	5.0	"	100		84.8	75-125	0.0589	20	
Benzene	92.6	5.0	"	100		92.6	75-125	1.41	20	
Toluene	92.3	5.0	"	100		92.3	75-125	3.70	20	
Surrogate: Toluene-d8	40.4		"	40.0		101	92.2-109			
Surrogate: 4-Bromofluorobenzene	44.2		"	40.0		111	75.1-121			
Surrogate: Dibromofluoromethane	58.1		"	40.0		145	74.4-119			S-GC

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/08/10 09:22

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Chain of Custody Record

Date: 5-28-10 Page: 1 Of 1
Project Name: On-Atlantic
Collector: PAR Client Project #: 100031003
Batch #: T000515 EDF #:

[illegible]

Sample disposal instructions: Disposal @ \$2.00 each Return to client Pickup

COC 92921



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

04 June 2010

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: On-Atlantic

Enclosed are the results of analyses for samples received by the laboratory on 06/01/10 14:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB-1-10	T000521-01	Soil	06/01/10 00:00	06/01/10 14:50
CB-1-20	T000521-02	Soil	06/01/10 00:00	06/01/10 14:50
CB-1-30	T000521-03	Soil	06/01/10 00:00	06/01/10 14:50
CB-1-40	T000521-04	Soil	06/01/10 00:00	06/01/10 14:50
CB-1-50	T000521-05	Soil	06/01/10 00:00	06/01/10 14:50
CB-2-10	T000521-06	Soil	06/01/10 00:00	06/01/10 14:50
CB-2-20	T000521-07	Soil	06/01/10 00:00	06/01/10 14:50
CB-2-30	T000521-08	Soil	06/01/10 00:00	06/01/10 14:50
CB-2-40	T000521-09	Soil	06/01/10 00:00	06/01/10 14:50
CB-2-50	T000521-10	Soil	06/01/10 00:00	06/01/10 14:50
CB-3-10	T000521-11	Soil	06/01/10 00:00	06/01/10 14:50
CB-3-20	T000521-12	Soil	06/01/10 00:00	06/01/10 14:50
CB-3-30	T000521-13	Soil	06/01/10 00:00	06/01/10 14:50
CB-3-40	T000521-14	Soil	06/01/10 00:00	06/01/10 14:50
CB-3-50	T000521-15	Soil	06/01/10 00:00	06/01/10 14:50

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-10
T000521-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.6	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	6.6	"	"	"	"	"	"	
Bromodichloromethane	ND	6.6	"	"	"	"	"	"	
Bromoform	ND	6.6	"	"	"	"	"	"	
Bromomethane	ND	6.6	"	"	"	"	"	"	
n-Butylbenzene	ND	6.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.6	"	"	"	"	"	"	
Chlorobenzene	ND	6.6	"	"	"	"	"	"	
Chloroethane	ND	6.6	"	"	"	"	"	"	
Chloroform	ND	6.6	"	"	"	"	"	"	
Chloromethane	ND	6.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.6	"	"	"	"	"	"	
Dibromochloromethane	ND	6.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.6	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.6	"	"	"	"	"	"	
Dibromomethane	ND	6.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.6	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.6	"	"	"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-10
T000521-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.6	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.6	"	"	"	"	"	"	
Isopropylbenzene	ND	6.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.6	"	"	"	"	"	"	
Methylene chloride	ND	6.6	"	"	"	"	"	"	
Naphthalene	ND	6.6	"	"	"	"	"	"	
n-Propylbenzene	ND	6.6	"	"	"	"	"	"	
Styrene	ND	6.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.6	"	"	"	"	"	"	
Trichloroethene	ND	6.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.6	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.6	"	"	"	"	"	"	
Vinyl chloride	ND	6.6	"	"	"	"	"	"	
Benzene	ND	6.6	"	"	"	"	"	"	
Toluene	ND	6.6	"	"	"	"	"	"	
Ethylbenzene	ND	6.6	"	"	"	"	"	"	
m,p-Xylene	ND	6.6	"	"	"	"	"	"	
o-Xylene	ND	6.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.8 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		161 %	74.4-119		"	"	"	"	S-GC

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-10
T000521-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-20
T000521-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.8	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	6.8	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	6.8	"	"	"	"	"	"	
Bromomethane	ND	6.8	"	"	"	"	"	"	
n-Butylbenzene	ND	6.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.8	"	"	"	"	"	"	
Chlorobenzene	ND	6.8	"	"	"	"	"	"	
Chloroethane	ND	6.8	"	"	"	"	"	"	
Chloroform	ND	6.8	"	"	"	"	"	"	
Chloromethane	ND	6.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.8	"	"	"	"	"	"	
Dibromochloromethane	ND	6.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.8	"	"	"	"	"	"	
Dibromomethane	ND	6.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.8	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-20
T000521-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.8	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.8	"	"	"	"	"	"	
Isopropylbenzene	ND	6.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.8	"	"	"	"	"	"	
Methylene chloride	ND	6.8	"	"	"	"	"	"	
Naphthalene	ND	6.8	"	"	"	"	"	"	
n-Propylbenzene	ND	6.8	"	"	"	"	"	"	
Styrene	ND	6.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.8	"	"	"	"	"	"	
Tetrachloroethene	ND	6.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.8	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.8	"	"	"	"	"	"	
Trichloroethene	ND	6.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.8	"	"	"	"	"	"	
Vinyl chloride	ND	6.8	"	"	"	"	"	"	
Benzene	ND	6.8	"	"	"	"	"	"	
Toluene	ND	6.8	"	"	"	"	"	"	
Ethylbenzene	ND	6.8	"	"	"	"	"	"	
m,p-Xylene	ND	6.8	"	"	"	"	"	"	
o-Xylene	ND	6.8	"	"	"	"	"	"	
Surrogate: Toluene-d8		97.6 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		139 %	74.4-119		"	"	"	"	S-GC

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-20
T000521-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-30
T000521-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.9	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	6.9	"	"	"	"	"	"	
Bromodichloromethane	ND	6.9	"	"	"	"	"	"	
Bromoform	ND	6.9	"	"	"	"	"	"	
Bromomethane	ND	6.9	"	"	"	"	"	"	
n-Butylbenzene	ND	6.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.9	"	"	"	"	"	"	
Chlorobenzene	ND	6.9	"	"	"	"	"	"	
Chloroethane	ND	6.9	"	"	"	"	"	"	
Chloroform	ND	6.9	"	"	"	"	"	"	
Chloromethane	ND	6.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.9	"	"	"	"	"	"	
Dibromochloromethane	ND	6.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.9	"	"	"	"	"	"	
Dibromomethane	ND	6.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.9	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-30
T000521-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.9	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.9	"	"	"	"	"	"	
Isopropylbenzene	ND	6.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.9	"	"	"	"	"	"	
Methylene chloride	ND	6.9	"	"	"	"	"	"	
Naphthalene	ND	6.9	"	"	"	"	"	"	
n-Propylbenzene	ND	6.9	"	"	"	"	"	"	
Styrene	ND	6.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.9	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.9	"	"	"	"	"	"	
Trichloroethene	22	6.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.9	"	"	"	"	"	"	
Vinyl chloride	ND	6.9	"	"	"	"	"	"	
Benzene	ND	6.9	"	"	"	"	"	"	
Toluene	ND	6.9	"	"	"	"	"	"	
Ethylbenzene	ND	6.9	"	"	"	"	"	"	
m,p-Xylene	ND	6.9	"	"	"	"	"	"	
o-Xylene	ND	6.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		96.1 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		147 %	74.4-119		"	"	"	"	S-GC

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
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CB-1-30
T000521-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-40
T000521-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-40
T000521-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060202	06/02/10	06/02/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	35	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		93.8 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		171 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-40
T000521-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-50
T000521-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	46	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-50
T000521-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	4200	120	"	25	"	"	06/03/10	"	
Trichlorofluoromethane	ND	5.0	"	1	"	"	06/03/10	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		110 %		92.2-109	"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene		86.8 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		158 %		74.4-119	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-1-50
T000521-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-10
T000521-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	6.0	"	"	"	"	"	"	
Bromodichloromethane	ND	6.0	"	"	"	"	"	"	
Bromoform	ND	6.0	"	"	"	"	"	"	
Bromomethane	ND	6.0	"	"	"	"	"	"	
n-Butylbenzene	ND	6.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.0	"	"	"	"	"	"	
Chlorobenzene	ND	6.0	"	"	"	"	"	"	
Chloroethane	ND	6.0	"	"	"	"	"	"	
Chloroform	ND	6.0	"	"	"	"	"	"	
Chloromethane	ND	6.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.0	"	"	"	"	"	"	
Dibromochloromethane	ND	6.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.0	"	"	"	"	"	"	
Dibromomethane	ND	6.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-10
T000521-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.0	"	"	"	"	"	"	
Isopropylbenzene	ND	6.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.0	"	"	"	"	"	"	
Methylene chloride	ND	6.0	"	"	"	"	"	"	
Naphthalene	ND	6.0	"	"	"	"	"	"	
n-Propylbenzene	ND	6.0	"	"	"	"	"	"	
Styrene	ND	6.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.0	"	"	"	"	"	"	
Trichloroethene	ND	6.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.0	"	"	"	"	"	"	
Vinyl chloride	ND	6.0	"	"	"	"	"	"	
Benzene	ND	6.0	"	"	"	"	"	"	
Toluene	ND	6.0	"	"	"	"	"	"	
Ethylbenzene	ND	6.0	"	"	"	"	"	"	
m,p-Xylene	ND	6.0	"	"	"	"	"	"	
o-Xylene	ND	6.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.9 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		166 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-10
T000521-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-20
T000521-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-20
T000521-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	61	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		107 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		188 %	74.4-119		"	"	"	"	S-GC

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-20
T000521-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-30
T000521-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-30
T000521-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	94	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		105 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		198 %	74.4-119		"	"	"	"	S-GC

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-30
T000521-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-40
T000521-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.7	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	5.7	"	"	"	"	"	"	
Bromodichloromethane	ND	5.7	"	"	"	"	"	"	
Bromoform	ND	5.7	"	"	"	"	"	"	
Bromomethane	ND	5.7	"	"	"	"	"	"	
n-Butylbenzene	ND	5.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.7	"	"	"	"	"	"	
Chlorobenzene	ND	5.7	"	"	"	"	"	"	
Chloroethane	ND	5.7	"	"	"	"	"	"	
Chloroform	ND	5.7	"	"	"	"	"	"	
Chloromethane	ND	5.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.7	"	"	"	"	"	"	
Dibromochloromethane	ND	5.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.7	"	"	"	"	"	"	
Dibromomethane	ND	5.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.7	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.7	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.7	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-40
T000521-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.7	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.7	"	"	"	"	"	"	
Isopropylbenzene	ND	5.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.7	"	"	"	"	"	"	
Methylene chloride	ND	5.7	"	"	"	"	"	"	
Naphthalene	ND	5.7	"	"	"	"	"	"	
n-Propylbenzene	ND	5.7	"	"	"	"	"	"	
Styrene	ND	5.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
Tetrachloroethene	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.7	"	"	"	"	"	"	
Trichloroethene	5.7	5.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.7	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.7	"	"	"	"	"	"	
Vinyl chloride	ND	5.7	"	"	"	"	"	"	
Benzene	ND	5.7	"	"	"	"	"	"	
Toluene	ND	5.7	"	"	"	"	"	"	
Ethylbenzene	ND	5.7	"	"	"	"	"	"	
m,p-Xylene	ND	5.7	"	"	"	"	"	"	
o-Xylene	ND	5.7	"	"	"	"	"	"	
Surrogate: Toluene-d8		97.6 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.9 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		178 %	74.4-119		"	"	"	"	S-GC

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-40
T000521-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-50
T000521-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	140	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-50
T000521-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	5.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	550	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		105 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		173 %	74.4-119		"	"	"	"	S-GC

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-2-50
T000521-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-10
T000521-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	7.5	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	7.5	"	"	"	"	"	"	
Bromodichloromethane	ND	7.5	"	"	"	"	"	"	
Bromoform	ND	7.5	"	"	"	"	"	"	
Bromomethane	ND	7.5	"	"	"	"	"	"	
n-Butylbenzene	ND	7.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	7.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	7.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	7.5	"	"	"	"	"	"	
Chlorobenzene	ND	7.5	"	"	"	"	"	"	
Chloroethane	ND	7.5	"	"	"	"	"	"	
Chloroform	ND	7.5	"	"	"	"	"	"	
Chloromethane	ND	7.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	7.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	7.5	"	"	"	"	"	"	
Dibromochloromethane	ND	7.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	7.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.5	"	"	"	"	"	"	
Dibromomethane	ND	7.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	7.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	7.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	7.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	7.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	7.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	7.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	7.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	7.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	7.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	7.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	7.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	7.5	"	"	"	"	"	"	

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949.297.5027 Fax

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-10
T000521-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	7.5	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	7.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	7.5	"	"	"	"	"	"	
Isopropylbenzene	ND	7.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	7.5	"	"	"	"	"	"	
Methylene chloride	ND	7.5	"	"	"	"	"	"	
Naphthalene	ND	7.5	"	"	"	"	"	"	
n-Propylbenzene	ND	7.5	"	"	"	"	"	"	
Styrene	ND	7.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.5	"	"	"	"	"	"	
Tetrachloroethene	ND	7.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	7.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	7.5	"	"	"	"	"	"	
Trichloroethene	ND	7.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	7.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	7.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	7.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	7.5	"	"	"	"	"	"	
Vinyl chloride	ND	7.5	"	"	"	"	"	"	
Benzene	ND	7.5	"	"	"	"	"	"	
Toluene	ND	7.5	"	"	"	"	"	"	
Ethylbenzene	ND	7.5	"	"	"	"	"	"	
m,p-Xylene	ND	7.5	"	"	"	"	"	"	
o-Xylene	ND	7.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		95.4 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		134 %	74.4-119		"	"	"	"	S-GC

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-10
T000521-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-20
T000521-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	7.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	7.0	"	"	"	"	"	"	
Bromodichloromethane	ND	7.0	"	"	"	"	"	"	
Bromoform	ND	7.0	"	"	"	"	"	"	
Bromomethane	ND	7.0	"	"	"	"	"	"	
n-Butylbenzene	ND	7.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	7.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	7.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	7.0	"	"	"	"	"	"	
Chloroethane	ND	7.0	"	"	"	"	"	"	
Chloroform	ND	7.0	"	"	"	"	"	"	
Chloromethane	ND	7.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	7.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	7.0	"	"	"	"	"	"	
Dibromochloromethane	ND	7.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	7.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.0	"	"	"	"	"	"	
Dibromomethane	ND	7.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	7.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	7.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	7.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	7.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	7.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	7.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	7.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	7.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	7.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	7.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	7.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	7.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Environmental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-20
T000521-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	7.0	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	7.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	7.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	7.0	"	"	"	"	"	"	
Isopropylbenzene	ND	7.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	7.0	"	"	"	"	"	"	
Methylene chloride	ND	7.0	"	"	"	"	"	"	
Naphthalene	ND	7.0	"	"	"	"	"	"	
n-Propylbenzene	ND	7.0	"	"	"	"	"	"	
Styrene	ND	7.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrachloroethene	ND	7.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	7.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	7.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	7.0	"	"	"	"	"	"	
Trichloroethene	33	7.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	7.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	7.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	7.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	7.0	"	"	"	"	"	"	
Vinyl chloride	ND	7.0	"	"	"	"	"	"	
Benzene	ND	7.0	"	"	"	"	"	"	
Toluene	ND	7.0	"	"	"	"	"	"	
Ethylbenzene	ND	7.0	"	"	"	"	"	"	
m,p-Xylene	ND	7.0	"	"	"	"	"	"	
o-Xylene	ND	7.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		95.2 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		173 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-20
T000521-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-30
T000521-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	9.9	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	9.9	"	"	"	"	"	"	
Bromodichloromethane	ND	9.9	"	"	"	"	"	"	
Bromoform	ND	9.9	"	"	"	"	"	"	
Bromomethane	ND	9.9	"	"	"	"	"	"	
n-Butylbenzene	ND	9.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	9.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	9.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	9.9	"	"	"	"	"	"	
Chlorobenzene	ND	9.9	"	"	"	"	"	"	
Chloroethane	ND	9.9	"	"	"	"	"	"	
Chloroform	ND	9.9	"	"	"	"	"	"	
Chloromethane	ND	9.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	9.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	9.9	"	"	"	"	"	"	
Dibromochloromethane	ND	9.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	9.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	9.9	"	"	"	"	"	"	
Dibromomethane	ND	9.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	9.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	9.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	9.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	9.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	9.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	9.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	9.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	9.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	9.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	9.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	9.9	"	"	"	"	"	"	

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-30
T000521-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	9.9	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	9.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	9.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	9.9	"	"	"	"	"	"	
Isopropylbenzene	ND	9.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	9.9	"	"	"	"	"	"	
Methylene chloride	ND	9.9	"	"	"	"	"	"	
Naphthalene	ND	9.9	"	"	"	"	"	"	
n-Propylbenzene	ND	9.9	"	"	"	"	"	"	
Styrene	ND	9.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	9.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	9.9	"	"	"	"	"	"	
Tetrachloroethene	ND	9.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	9.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	9.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	9.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	9.9	"	"	"	"	"	"	
Trichloroethene	26	9.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	9.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	9.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	9.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	9.9	"	"	"	"	"	"	
Vinyl chloride	ND	9.9	"	"	"	"	"	"	
Benzene	ND	9.9	"	"	"	"	"	"	
Toluene	ND	9.9	"	"	"	"	"	"	
Ethylbenzene	ND	9.9	"	"	"	"	"	"	
m,p-Xylene	ND	9.9	"	"	"	"	"	"	
o-Xylene	ND	9.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		97.1 %	92.2-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		77.9 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		151 %	74.4-119		"	"	"	"	S-GC

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

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Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-30
T000521-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-40
T000521-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	6.8	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	6.8	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	6.8	"	"	"	"	"	"	
Bromomethane	ND	6.8	"	"	"	"	"	"	
n-Butylbenzene	ND	6.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.8	"	"	"	"	"	"	
Chlorobenzene	ND	6.8	"	"	"	"	"	"	
Chloroethane	ND	6.8	"	"	"	"	"	"	
Chloroform	ND	6.8	"	"	"	"	"	"	
Chloromethane	ND	6.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.8	"	"	"	"	"	"	
Dibromochloromethane	ND	6.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.8	"	"	"	"	"	"	
Dibromomethane	ND	6.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.8	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-40
T000521-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	6.8	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	6.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.8	"	"	"	"	"	"	
Isopropylbenzene	ND	6.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.8	"	"	"	"	"	"	
Methylene chloride	ND	6.8	"	"	"	"	"	"	
Naphthalene	ND	6.8	"	"	"	"	"	"	
n-Propylbenzene	ND	6.8	"	"	"	"	"	"	
Styrene	ND	6.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.8	"	"	"	"	"	"	
Tetrachloroethene	ND	6.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.8	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.8	"	"	"	"	"	"	
Trichloroethene	16	6.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.8	"	"	"	"	"	"	
Vinyl chloride	ND	6.8	"	"	"	"	"	"	
Benzene	ND	6.8	"	"	"	"	"	"	
Toluene	ND	6.8	"	"	"	"	"	"	
Ethylbenzene	ND	6.8	"	"	"	"	"	"	
m,p-Xylene	ND	6.8	"	"	"	"	"	"	
o-Xylene	ND	6.8	"	"	"	"	"	"	
Surrogate: Toluene-d8		92.0 %	92.2-109		"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene		75.3 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		149 %	74.4-119		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-40
T000521-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-50
T000521-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	4.5	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
Bromochloromethane	ND	4.5	"	"	"	"	"	"	
Bromodichloromethane	ND	4.5	"	"	"	"	"	"	
Bromoform	ND	4.5	"	"	"	"	"	"	
Bromomethane	ND	4.5	"	"	"	"	"	"	
n-Butylbenzene	ND	4.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.5	"	"	"	"	"	"	
Chlorobenzene	ND	4.5	"	"	"	"	"	"	
Chloroethane	ND	4.5	"	"	"	"	"	"	
Chloroform	ND	4.5	"	"	"	"	"	"	
Chloromethane	ND	4.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.5	"	"	"	"	"	"	
Dibromochloromethane	ND	4.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.5	"	"	"	"	"	"	
Dibromomethane	ND	4.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	56	4.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-50
T000521-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	4.5	ug/kg	1	0060202	06/02/10	06/03/10	EPA 8260B/5035	
cis-1,3-Dichloropropene	ND	4.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.5	"	"	"	"	"	"	
Isopropylbenzene	ND	4.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.5	"	"	"	"	"	"	
Methylene chloride	ND	4.5	"	"	"	"	"	"	
Naphthalene	ND	4.5	"	"	"	"	"	"	
n-Propylbenzene	ND	4.5	"	"	"	"	"	"	
Styrene	ND	4.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.5	"	"	"	"	"	"	
Tetrachloroethene	ND	4.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.5	"	"	"	"	"	"	
Trichloroethene	2500	110	"	25	"	"	06/03/10	"	
Trichlorofluoromethane	ND	4.5	"	1	"	"	06/03/10	"	
1,2,3-Trichloropropane	ND	4.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.5	"	"	"	"	"	"	
Vinyl chloride	ND	4.5	"	"	"	"	"	"	
Benzene	ND	4.5	"	"	"	"	"	"	
Toluene	ND	4.5	"	"	"	"	"	"	
Ethylbenzene	ND	4.5	"	"	"	"	"	"	
m,p-Xylene	ND	4.5	"	"	"	"	"	"	
o-Xylene	ND	4.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %		92.2-109	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		196 %		74.4-119	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

CB-3-50
T000521-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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949.297.5020 Phone
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Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060202 - EPA 5035 GCMS

Blank (0060202-BLK1)

Prepared & Analyzed: 06/02/10

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060202 - EPA 5035 GCMS

Blank (0060202-BLK1)

Prepared & Analyzed: 06/02/10

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Toluene-d8	39.9		"	40.0		99.8	92.2-109			
Surrogate: 4-Bromofluorobenzene	41.6		"	40.0		104	75.1-121			
Surrogate: Dibromofluoromethane	56.4		"	40.0		141	74.4-119			S-GC

LCS (0060202-BS1)

Prepared & Analyzed: 06/02/10

Chlorobenzene	83.8	5.0	ug/kg	100		83.8	75-125			
1,1-Dichloroethene	79.4	5.0	"	100		79.4	75-125			
Trichloroethene	81.6	5.0	"	100		81.6	75-125			
Benzene	90.6	5.0	"	100		90.6	75-125			
Toluene	87.2	5.0	"	100		87.2	75-125			
Surrogate: Toluene-d8	40.2		"	40.0		100	92.2-109			
Surrogate: 4-Bromofluorobenzene	41.7		"	40.0		104	75.1-121			
Surrogate: Dibromofluoromethane	58.6		"	40.0		146	74.4-119			S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0060202 - EPA 5035 GCMS

LCS Dup (0060202-BSD1)

Prepared & Analyzed: 06/02/10

Chlorobenzene	83.4	5.0	ug/kg	100		83.4	75-125	0.538	20	
1,1-Dichloroethene	81.4	5.0	"	100		81.4	75-125	2.42	20	
Trichloroethene	80.8	5.0	"	100		80.8	75-125	1.05	20	
Benzene	91.2	5.0	"	100		91.2	75-125	0.660	20	
Toluene	86.8	5.0	"	100		86.8	75-125	0.460	20	
Surrogate: Toluene-d8	39.8		"	40.0		99.5	92.2-109			
Surrogate: 4-Bromofluorobenzene	40.8		"	40.0		102	75.1-121			
Surrogate: Dibromofluoromethane	60.6		"	40.0		152	74.4-119			S-GC

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/04/10 17:11

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Ardent Environmental Group, Inc.
Address: 1141 Pomona Rd, Suite E, Corona
Phone: 951-736-5334 Fax: _____
Project Manager: Paul Roberts

Date: 6-1-10 Page: 1 Of 1
Project Name: On Atlantic
Collector: PAR Client Project #: 100011003
Batch #: T000521 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
CB-1-10	6-1-10		Soil	5035 V04	X									01	Use RWQCB detection limits	3	
CB-1-20					X									02			3
CB-1-30					X									03			3
CB-1-40					X									04			3
CB-1-50					X									05			3
CB-2-10					X									06			3
CB-2-20					X									07			3
CB-2-30					X									08			3
CB-2-40					X									09			3
CB-2-50					X									10			3
CB-3-10					X									11			3
CB-3-20					X									12			3
CB-3-30					X									13			3
CB-3-40					X									14			3
CB-3-50					X									15			3
Relinquished by: (signature) <i>Paul Roberts</i>	Date / Time 6/1/10/2:50	Received by: (signature) <i>[Signature]</i>	Date / Time 6/1/10 1450	Total # of containers 45		Chain of Custody seals Y/N/NA N		Seals intact? Y/N/NA N/A		Received good condition/cold Y		Notes 6.3					
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Turn around time: <u>Standard</u>													
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time														

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

COC 92918



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

21 June 2010

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: On-Atlantic

Enclosed are the results of analyses for samples received by the laboratory on 06/11/10 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T000577-01	Water	06/11/10 00:00	06/11/10 15:35
MW-2	T000577-02	Water	06/11/10 11:25	06/11/10 15:35
MW-3	T000577-03	Water	06/11/10 12:00	06/11/10 15:35
MW-4	T000577-04	Water	06/11/10 10:20	06/11/10 15:35
MW-5	T000577-05	Water	06/11/10 09:20	06/11/10 15:35
MW-6	T000577-06	Water	06/11/10 08:25	06/11/10 15:35
TB-1	T000577-07	Water	06/11/10 00:00	06/11/10 15:35

SunStar Laboratories, Inc.

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-1
T000577-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	3.1	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	59	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	3.9	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-1
T000577-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	1.1	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	690	100	"	100	"	"	06/18/10	"	
Trichlorofluoromethane	ND	1.0	"	1	"	"	06/18/10	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.9 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		113 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		91.9 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-2
T000577-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	3.5	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	90	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	4.9	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-2
T000577-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	790	100	"	100	"	"	06/20/10	"	
Trichlorofluoromethane	ND	1.0	"	1	"	"	06/18/10	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		115 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		88.8 %	84.7-109		"	"	"	"	

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1141 Pomona Road, Suite E
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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-3
T000577-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	1.2	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	2.4	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	160	1.0	"	"	"	"	"	"	E-1
trans-1,2-Dichloroethene	7.8	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-3
T000577-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	1200	250	"	250	"	"	06/18/10	"	
Trichlorofluoromethane	ND	1.0	"	1	"	"	06/18/10	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.5 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		119 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		91.0 %	84.7-109		"	"	"	"	

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1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-4
T000577-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	4.6	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	9.4	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	13	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	180	100	"	100	"	"	06/20/10	"	
trans-1,2-Dichloroethene	19	1.0	"	1	"	"	06/18/10	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-4
T000577-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	560	100	"	100	"	"	06/20/10	"	
Trichlorofluoromethane	ND	1.0	"	1	"	"	06/18/10	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.9 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		122 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		94.0 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-5
T000577-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"
Chloroform	ND	1.0	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	20	1.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"

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John Shepler, Laboratory Director

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-5
T000577-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	20	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.6 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		138 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		93.0 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-6
T000577-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	1.5	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	69	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	3.6	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

MW-6
T000577-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	140	25	"	25	"	"	06/20/10	"	
Trichlorofluoromethane	ND	1.0	"	1	"	"	06/18/10	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.9 %	77.1-110		"	"	"	"	
Surrogate: Dibromofluoromethane		128 %	66.3-111		"	"	"	"	S-GC
Surrogate: Toluene-d8		92.5 %	84.7-109		"	"	"	"	

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John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

TB-1
T000577-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

TB-1
T000577-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0061408	06/14/10	06/18/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	84.4 %	77.1-110	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	135 %	66.3-111	"	"	"	"	"	"	S-GC
Surrogate: Toluene-d8	91.5 %	84.7-109	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona CA, 92882

Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0061408 - EPA 5030 GCMS

Blank (0061408-BLK1)

Prepared: 06/14/10 Analyzed: 06/18/10

Bromobenzene	ND	1.0	ug/l
Bromochloromethane	ND	1.0	"
Bromodichloromethane	ND	1.0	"
Bromoform	ND	1.0	"
Bromomethane	ND	1.0	"
n-Butylbenzene	ND	1.0	"
sec-Butylbenzene	ND	1.0	"
tert-Butylbenzene	ND	1.0	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	1.0	"
Chloroethane	ND	1.0	"
Chloroform	ND	1.0	"
Chloromethane	ND	1.0	"
2-Chlorotoluene	ND	1.0	"
4-Chlorotoluene	ND	1.0	"
Dibromochloromethane	ND	1.0	"
1,2-Dibromo-3-chloropropane	ND	1.0	"
1,2-Dibromoethane (EDB)	ND	1.0	"
Dibromomethane	ND	1.0	"
1,2-Dichlorobenzene	ND	1.0	"
1,3-Dichlorobenzene	ND	1.0	"
1,4-Dichlorobenzene	ND	1.0	"
Dichlorodifluoromethane	ND	0.50	"
1,1-Dichloroethane	ND	1.0	"
1,2-Dichloroethane	ND	0.50	"
1,1-Dichloroethene	ND	1.0	"
cis-1,2-Dichloroethene	ND	1.0	"
trans-1,2-Dichloroethene	ND	1.0	"
1,2-Dichloropropane	ND	1.0	"
1,3-Dichloropropane	ND	1.0	"
2,2-Dichloropropane	ND	1.0	"
1,1-Dichloropropene	ND	1.0	"
cis-1,3-Dichloropropene	ND	0.50	"
trans-1,3-Dichloropropene	ND	0.50	"
Hexachlorobutadiene	ND	1.0	"
Isopropylbenzene	ND	1.0	"

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0061408 - EPA 5030 GCMS

Blank (0061408-BLK1)

Prepared: 06/14/10 Analyzed: 06/18/10

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	7.20		"	8.00		90.0	77.1-110			
Surrogate: Dibromofluoromethane	8.76		"	8.00		110	66.3-111			
Surrogate: Toluene-d8	7.56		"	8.00		94.5	84.7-109			

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Project: On-Atlantic
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Reported:
06/21/10 16:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0061408 - EPA 5030 GCMS

LCS (0061408-BS1)

Prepared: 06/14/10 Analyzed: 06/18/10

Chlorobenzene	15.0	1.0	ug/l	20.0		75.2	75-125			
1,1-Dichloroethene	20.1	1.0	"	20.0		100	75-125			
Trichloroethene	15.5	1.0	"	20.0		77.6	75-125			
Benzene	17.9	0.50	"	20.0		89.6	75-125			
Toluene	15.7	0.50	"	20.0		78.3	75-125			
Surrogate: 4-Bromofluorobenzene	7.05		"	8.00		88.1	77.1-110			
Surrogate: Dibromofluoromethane	12.3		"	8.00		154	66.3-111			S-GC
Surrogate: Toluene-d8	7.05		"	8.00		88.1	84.7-109			

LCS Dup (0061408-BSD1)

Prepared: 06/14/10 Analyzed: 06/18/10

Chlorobenzene	15.3	1.0	ug/l	20.0		76.4	75-125	1.58	20	
1,1-Dichloroethene	19.6	1.0	"	20.0		97.8	75-125	2.62	20	
Trichloroethene	17.5	1.0	"	20.0		87.5	75-125	12.1	20	
Benzene	17.7	0.50	"	20.0		88.6	75-125	1.18	20	
Toluene	15.2	0.50	"	20.0		76.0	75-125	3.05	20	
Surrogate: 4-Bromofluorobenzene	7.11		"	8.00		88.9	77.1-110			
Surrogate: Dibromofluoromethane	11.6		"	8.00		144	66.3-111			S-GC
Surrogate: Toluene-d8	7.06		"	8.00		88.2	84.7-109			

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Project: On-Atlantic
Project Number: 100011003
Project Manager: Paul Roberts

Reported:
06/21/10 16:48

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

E-1 The final dilution was lower than the original data or previous dilutions. The highest recovered concentration was reported even though it was above calibration range.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Chain of Custody Record

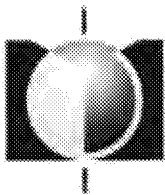
Date: 6-11-10 Page: 1 Of 1
Project Name: On-Atlantic
Collector: Paul Roberts Client Project #: 100011003
Batch #: T000577 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals				Laboratory ID #	Comments/Preservative	Total # of containers
MW-1	6-11-10		Water	VOA	X												01	Use RWQCB detection limits Global ID SL0603783105	3
MW-2	↓	11:25	↓	↓	X												02		3
MW-3		12:00	↓	↓	X												03		3
MW-4		10:20	↓	↓	X												04		3
MW-5		9:20	↓	↓	X												05		3
MW-6		8:25	↓	↓	X												06		3
TB-1	↓	NA	↓	↓	X												07		3

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

COC 92916

APPENDIX E
SURVEY DATA



KDM MERIDIAN

CIVIL ENGINEERING AND LAND SURVEYING

June 5, 2010

KDMM #10-ARD-01

Mr. Paul Roberts
Ardent Environmental Group Inc.
1141 Pomona Rd. Suite E
Corona, CA 92882

Re: **Environmental Survey (Geo Tracker)**
8411 S. Atlantic Ave.- Cudahy

Dear Mr. Roberts:

KDM Meridian is pleased to provide **Ardent Inc.** with this report of survey work performed at the subject site. The scope of work included the survey of three (3) New Monitoring Well (MW) and three (3) Existing Monitoring Well (MW) locations.

Horizontal Datum:

Coordinates shown are in U.S. Survey Feet in terms of the California Coordinate System of 1983, Zone V, (2009.0000 Epoch)

Vertical Datum:

Elevations shown are in U.S. Survey Feet and based on the North American Vertical Datum of 1988 (NAVD-88), Los Angeles County 2005 Adjustment.

Bench Mark:

Los Angeles County Bench Mark Y 10816 / Elevation: **122.283 feet**

Attachments:

GEO_XY Submittal
GEO_Z Submittal
ASCII PNEZD List

Thank you for allowing **KDM Meridian, Inc.** to provide surveying services to **Ardent Inc.** Should you have questions concerning anything contained in this report, please contact me.

Sincerely,

Richard C. Maher, CA PLS #7564

President

KDM Meridian, Inc.

This document preliminary unless signed.

